

# County of Hawai‘i

Office of Housing and Community Development



June 30, 2025

Stantec Consulting Services Inc.





**Stantec Consulting Services Inc.**  
1001 Bishop Street Suite 1501  
Honolulu, Hawaii 96813

P.O. Box 191  
Hilo, Hawaii 96721

June 30, 2025

**Attention**

Ms. Kehaulani M. Costa  
Housing and Community Development, County of Hawai'i  
1990 Kino'ole Street, Suite 102, Hilo, Hawai'i 96720  
Phone: 808-961-8379  
[ohcdprofserv@hawaiicounty.gov](mailto:ohcdprofserv@hawaiicounty.gov)

**Categories of Service:**

- **OH.1)** Community Planning (Community Engagement, Strategic Planning)
- **OH.2)** Community Planning (Environmental Assessment)
- **OH.3)** Community Planning (Grant Writer)

Dear Ms. Kehaulani M. Costa,

At Stantec, designing with community in mind isn't just our motto, it's our passion; it's why we work here. We are eager to partner with the Housing and Community Department to provide professional services to support your agency's mandate to lead planning and land use and administration of subdivision and zoning codes for the County of Hawai'i. Stantec is tracking the Department's updates to the General Plan's Comprehensive Review and update, as well as the updates of Community Development Plans.

Stantec provides a wide range of design, engineering, scientific, and management services that begin at the intersection of community creativity and client relationships. We have provided architecture and engineering services for award-winning facilities. We have received certification to the ISO9001:2015 Environmental Management System standard. We commit to doing what is right by demonstrating social, economic, and environmental responsibility.

Stantec's staff are experienced in preparing environmental documents, completing environmental investigations, and well versed in code development and application for a wide range of projects and planning needs. We know what to look for. We know what's required, and we excel at finding ways to match those requirements with project goals.

**We are Local, Innovative, and Available**

We believe that creating a team that engages the right people is key to project success. Our team offers local expertise including myself on Maui, Dr. Michele LeFebvre, Victor Rasgado PLS and Dr. Ben Barna in Hilo, and relevant support staff and subject matter experts in Honolulu, California, Nevada, and Alaska — plus over 32,000 professionals in the global Stantec network. This gives us the flexibility to respond to any project challenge in a timely and efficient manner; to tackle even your most unique challenges.

Stantec recognizes the value of local consultants and specialized experience that can enhance project implementation, and we maintain relationships and have completed project across Hawai'i Island with several knowledgeable and experienced consultants based in Hawai'i County.

Stantec has prepared environmental documents compliant with Hawaii Revised Statutes (HRS) 343 such as the Volcano Arts and Sciences Environmental Assessment (EA), Matsuyama Commercial Center on NELHA Land EA, Kaloko Affordable Housing Project EA (final in progress), and has coordinated baseline biological and archaeological surveys for HELCO's Saddle Road cross-island transmission line rebuild project. Stantec has also completed environmental investigations and provided environmental monitoring services across the State. With local experience backed by nationwide experience with the National Environmental Policy Act (NEPA) requirements and a wide range of environmental studies, you can be assured that Stantec has the expertise and capacity for all your needs.

The Planning Department can depend on the Stantec team for local, innovative, and reliable technical solutions and advice, delivered in a well-managed and efficient manner. The following submittal will provide you with the information required to select Stantec to provide professional services for Fiscal Year 2025-2026. Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sheryl Campagna', with a long horizontal line extending to the right.

**Sheryl Campagna**

Business Center Practice Leader Pukalani, Maui, HI

808-727-0910 | [sheryl.campagna@stantec.com](mailto:sheryl.campagna@stantec.com)

# Overview

## Firm Profile

Stantec empowers clients, people, and communities to rise to the world's greatest challenges at a time when the world faces more unprecedented concerns than ever before.

We are a global leader in sustainable engineering, architecture, and environmental consulting. Our professionals deliver the expertise, technology, and innovation communities need to manage aging infrastructure, demographic and population changes, the energy transition, and more.

Today's communities transcend geographic borders. At Stantec, community means everyone with an interest in the work that we do—from our project teams and industry colleagues to our clients and the people our work impacts. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure.

We are designers, engineers, scientists, project managers, and strategic advisors. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible.

Stantec trades on the TSX and the NYSE under the symbol STN. Visit us at [Stantec.com](http://Stantec.com) or find us on social media.

## Corporate Information

With over **75 years** of experience, Stantec unites more than 32,000 employees, in 450 locations, on 6 continents. Operating as Stantec Consulting Services Inc., our corporate headquarters is located at:

410 17th Street Suite 1400  
Denver CO 80202-4427  
(303) 295-1717  
[askstantec@stantec.com](mailto:askstantec@stantec.com)

### Our Hawai'i offices are located at:

Stantec Consulting Services Inc.  
1001 Bishop Street, Suite 1501  
Honolulu, HI 96813  
808-762-7202

Stantec GS Inc.  
737 Bishop Street, Suite 3050  
Honolulu, HI 96813  
808-528-1445

While all staff located in the State of Hawai'i are assigned to the Honolulu office, several staff members live on the neighboring islands including the Big Island.

## Key Qualifications

We are positioned to support the County of Hawai'i (County) for a full array of services. Our proposed project leadership team, in addition to their extensive subject experience, is familiar with the County and Hawai'i Islands allowing your projects to run smoothly and efficiently.

Contact information for Sheryl Campagna is provided below. The organizational chart lists additional staff that can support the project. Full resumes are provided listing staff education, years of experience, and project experience.

## Environmental Services

### Sheryl Campagna

Business Center Practice Leader

Pukalani, Maui, HI

808-727-0910 | [sheryl.campagna@stantec.com](mailto:sheryl.campagna@stantec.com)

## References/Experience Providing Similar Services

As a well-established local firm, Stantec has the resources and abilities to provide personalized service while keeping the work on schedule and within budget. Our team of engineers, environmental scientists, surveyors, and designers excel in enhancing safety while rehabilitating infrastructure for public facilities that preserves recreational assets and the natural environment.

References below can attest to our ability to provide dedicated resources, depth of staff, and knowledge of the Hawai'i islands and their communities.

### References

AGENCY/FIRM NAME	REFERENCE NAME/TITLE	CONTACT PHONE NUMBER/EMAIL	YEAR SERVICES PROVIDED	PROJECT NAME/ LOCATION	CATEGORY
Geometrician Associates	Ron Terry Principal	808-969-7090 rterry@Hawaii.rr.com	2017-present	Various Environmental Statewide Assessments, HI	Environmental Services
Hawaii Green Growth	Celeste Connors, Executive Director	808-800-7500 celeste@hawaiigreengrowth.org	2021-present	Aloha Challenge <a href="https://alohachallenge.hawaii.gov/">https://alohachallenge.hawaii.gov/</a>	Environmental Services, Climate Adaptation
Hawaii Island Community Development	Jeremy McComber, President	808-319-2428 jeremy.hicdc@gmail.com	2018-present	Kaloko Affordable Housing Project	Environmental Services, HEPA
Maui Department of Water Supply, Water Resources Division	Thomas Ochwat, PE, Project Manager	808-270-7553 Thomas.ochwat@co.maui.hi.us	2020-present	FEMA PA and Alternative Grant Funding for Disaster Recovery, Maui County, HI	Grants Funding, Environmental Services, Engineering
County of Maui Office of Innovation and Sustainability	Aaron Drake, Project Manager	808-270-5539 Aaron.d.drake@co.maui.hi.us	2020-present	WCCZ Maui Climate Change, Sustainability, and Resilience: Whole Systems Solutions	Environmental Services

# County of Hawai'i

## ARCHITECT-ENGINEER QUALIFICATIONS

### PART I - SPECIFIC QUALIFICATIONS

#### A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

County of Hawai'i

2. PUBLIC NOTICE DATE  
June 30, 2024

3. SERVICE CATEGORY  
Environmental Planning and Regulatory Permitting

#### B. CONTRACT ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Sheryl Campagna, Principal/Senior Environmental Planner

5. NAME OF FIRM

Stantec Consulting Services Inc.

6. TELEPHONE NUMBER

808-727-0910

7. FAX NUMBER

N/A

8. E-MAIL ADDRESS

sheryl.campagna@stantec.com

#### C. PROPOSED TEAM

*(Complete this section for the prime contractor and all key subcontractors)*

	<i>(check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	JV PARTNER	SUBCONTRACTOR			
<b>a.</b>	x			Stantec Consulting Services Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1001 Bishop Street Suite 1501 Honolulu, HI 96813-6461	Environmental Planning and Regulatory Permitting
<b>b.</b>	x			Stantec GS Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	737 Bishop Street Suite 3050 Honolulu, HI 96813-6461	Environmental Planning and Regulatory Permitting
<b>c.</b>	x			Stantec Consulting Services Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	200 East Carrillo Street Suite 101 Santa Barbara CA 93101-2137	Environmental Planning and Regulatory Permitting
<b>d.</b>	x			Stantec Consulting Services Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	Carolina One West Fourth Street Suite 820 Winston-Salem NC 27101-3818	Environmental Planning and Regulatory Permitting

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME <b>Sheryl "Sherry" Campagna</b>	13. ROLE IN SERVICE CATEGORY <b>Stakeholder Outreach/Environmental Compliance/HEPA/NEPA Lead</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>29</b>	b. WITH CURRENT FIRM <b>2</b>
15. FIRM NAME AND LOCATION (City and State) <b>Stantec Consulting Services Inc. (Honolulu, HI)</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Biology</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>N/A</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Memberships: Hawai'i Association of Environmental Professionals (HAEP), Women in Renewable Energy (WiRE)</b>			

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City, Island, and State)	(2) YEAR COMPLETED	
	<b>Lahaina Watershed Flood Management Project and NEPA/HEPA Environmental Impact Statement or Environmental Assessment (Lahaina, Maui, HI)</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>2026</b>
<b>a.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> The Lahaina Watershed Flood Management Project requires the development of a Natural Resource Conservation Service (NRCS), National Environmental Policy Act (NEPA), and Hawai'i Environmental Policy Act (HEPA) compliant Supplemental Plan Environmental Document (ED) to evaluate watershed protection and management measures within the Lahaina Watershed. The proposed project is intended to mitigate for flooding and reduce the impacts of sedimentation in the nearshore marine environment. Sherry manages the Stantec team and subconsultants through the development of an environmental document for this watershed and flood protection project in Lahaina on the island of Maui. She also guides and supports the communications component of this project as public outreach, stakeholder engagement, and agency coordination are vital to the project's implementation. • <b>Size:</b> 5,250 acres • <b>Cost:</b> \$1.4M • <b>Role:</b> Project Manager		
	<b>HUD, HTF, HOME-ARP Funded "Hale O Pi'ikea" Affordable Housing Project; a Part 58 Environmental Assessment (EA) Under NEPA and HEPA (Kihei, Maui, HI)</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>2024</b>
<b>b.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Hale O Pi'ikea Affordable Housing Project is a 220-unit, three-phase development planned at the intersection of Pi'ikea Avenue and Liloa Drive in Kihei, Maui, Hawai'i. This project includes a Part 58 EA and supporting technical studies. The Part 58 EA would be prepared in accordance with NEPA and the U.S. Department of Housing and Urban Development (HUD) environmental regulations. The Project intends to serve individuals and families earning between 30% and 60% Area Median Income (AMI) and help address the critical need for additional affordable housing on Maui. The project is also one component of the larger Kihei Downtown Development, promoting mixed-use sustainable development in Kihei which aims to foster a closely-knit, live/work community environment. • <b>Size:</b> 12.59 acres • <b>Cost:</b> \$80K • <b>Role:</b> Environmental and Community Engagement Manager		

# County of Hawai'i

(1) TITLE AND LOCATION <i>(City, Island, and State)</i> Hawai'i Youth Correctional Facility (HYCF) Campus Redevelopment Plan (Kailua, O'ahu, HI)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span> <b>c.</b> <b>Scope:</b> The Hawai'i Youth Correctional Facility (HYCF) plans to transition from a traditional punitive institution to a center (to be named the Kawailoa Youth and Family Wellness Center) that will focus on a comprehensive rehabilitation model involving wards, young adults, and families with community and government support. Eleven programs and their associated facilities were proposed for the facility which includes more than 20 buildings (including a Department of Education school) and covers over 400 forest and pasture acres owned by the State of Hawai'i. Public and private partnerships were proposed to support the 11 programs designed to support and transition former wards back into the community. Cultural, historic, zoning, remediation, and utilities issues were identified as part of the redevelopment plan. As the environmental project manager, Sherry led the environmental, historic, permitting, and cultural components of this project. She supported the development of priorities for future development of the facility which includes historic buildings and cultural sites. Sherry was responsible for agency coordination, stakeholder engagement, and public outreach. She also led a series of stakeholder and public charettes and authored the redevelopment planning report. • <b>Size:</b> 400 acres • <b>Cost:</b> Unknown • <b>Role:</b> Environmental Project Manager and Communications Manager		
(1) TITLE AND LOCATION <i>(City, Island, and State)</i> Pōhakuloa Training Area (PTA) Master Plan, Environmental Assessment (EA), and Environmental Condition of Property (ECOP) (Pōhakuloa Training Area, Hawai'i Island, HI)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span> <b>d.</b> <b>Scope:</b> This project included a Master Plan, EA, and Community Relations Plan (CRP) for the first master plan completed for this significant Army installation. The master plan projects and permits included utilities, transportation (air, road, harbor), cantonment facilities, and military training areas. Issues managed in the CRP included land lease, depleted uranium, endemic species, cultural sites, water wells, anti-Thirty Meter Telescope protests adjacent to the site, hunting, drones, UXOs, wildfires, invasive species, FAA waivers, live fire training, water rights, and flooding. • <b>Size:</b> 133,000 acres • <b>Cost:</b> Unknown • <b>Role:</b> Project Manager		
(1) TITLE AND LOCATION <i>(City and State)</i> Guam Military Build Up EIS Public Involvement Plan (PIP) (Guam and the Commonwealth of the Northern Marianas Islands)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span> <b>e.</b> <b>Scope:</b> The "Guam Military Build Up" Environmental Impact Statement (EIS) was the largest EIS written in the history of the National Environmental Policy Act (NEPA) Ms. Campagna managed the many iterations of community planning for the rebasing of approximately 8,000 Marines and their dependents from Okinawa to Guam. Planned land uses included utilities, infrastructure, housing, recreation sites, temporary workforce housing, military training areas, and energy projects. As the Public Involvement Plan (PIP) Manager for NEPA EIS, Sherry built relationships with local leaders in Guam and the Commonwealth of the Northern Marianas Islands (CNMI). She planned all public involvement strategies, response actions and subsequent activities. Sherry also implemented changes to traditional federal NEPA public meetings that reflected local and Chamorro culture thereby earning acceptance by the project's opposition and cultivating mutual respect. She led the team's response to over 10,000 public comments and improved local access to project information and understanding of the potential impacts and mitigations. • <b>Size:</b> ~180 miles <sup>2</sup> • <b>Cost:</b> \$2M • <b>Role:</b> Program Manager		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME  John Malueg, PE	13. ROLE IN THIS CONTRACT Vice President, Sustainability and Resiliency Planning	14. YEARS EXPERIENCE a. TOTAL 40 b. WITH CURRENT FIRM 25	
15. FIRM NAME AND LOCATION (City and State) Stantec Consulting Services Inc. (Winston-Salem, NC)			
16. EDUCATION (Degree and Specialization) BS, Water Biology BS, Civil and Environmental Engineering		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Professional Engineer (Civil) #15642, KY	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Memberships: Water Environment Federation; Member, American Public Works Association; American Society of Civil Engineers			

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Ala Wai Watershed Resilience Master Plan Support (Honolulu, HI)	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Scope:</b> In 2018, Congress passed an emergency appropriations bill which included a \$350 million allocation in support of mitigating flooding in the Ala Wai Watershed. Stantec, in partnership with the Rockefeller Foundation's 100 Resilient Cities, was selected to assist the local sponsor, the City/County of Honolulu, negotiate the development of the partnering agreement with the USACE. Key project elements include planning and design of series of high head dams, low flow diversion channel through local golf course, and integration of proposed new canal floodwall and levee with community open space and complete streets visions. • <b>Size:</b> N/A • <b>Cost:</b> N/A • <b>Role:</b> Technical Advisor		
b.	HUD National Disaster Resilience Completion (NDRC) Phase 2 (Multiple Jurisdictions, Nationwide)	2016	2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Scope:</b> John served as lead and technical advisor for the development of seven NDRC Phase 2 grant applications. Individual value of federal grant funding solicited ranged from \$200,000 to \$865,000,000. Clients included states, counties, and districts. Hazards addressed ranged from sea-level rise, tornadoes, hurricanes, riverine flooding, heat and subsidence. Resilient solutions offered focused on maximizing the triple bottom line addressing social, economic, and environmental values. The value of grants awarded to our clients approached \$250 million. • <b>Size:</b> N/A • <b>Cost:</b> \$2.1M • <b>Role:</b> Program Manager/Technical Advisor		
c.	"Strategic Financial Pathways", "Living with Water" Blue-Green Corridor Design (New Orleans, LA)	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Scope:</b> In partnership with the City of New Orleans and Rockefeller Foundation (100RC), John completed analyses and facilitated workshops that evaluated the right mix of green and grey infrastructure and financial mechanisms to pay and maintain improvements. Analysis considered level of service, implementation period and included evaluation of a blend of millage, stormwater user fees, fee-in-lieu-of, tourism taxes, and external grant funding to pay for selected plan. The project has now evolved into detailed design of blue-green infrastructure. • <b>Size:</b> N/A • <b>Cost:</b> \$6.5M • <b>Role:</b> Resilience Technical SME		

# County of Hawai'i

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
d.	"London 2100" Water Strategic Plan (London, United Kingdom)	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> John and the Stantec team helped Thames Water District facilitate the design of a community-based (year – 2100) vision for water. London's water infrastructure, which is approaching 200 years old, is being revisited to identify strategies for meeting increased demand because of projected four-fold population growth. The vision includes separating storm and sanitary systems, harvesting rainwater, gray water industrial reuse supported by innovative and sustainable funding strategies. • <b>Size:</b> N/A • <b>Cost:</b> \$1.7M • <b>Role:</b> Resilience Global SME		
e.	Tottenville Beach Recovery and Restoration (Staten Island, NY)	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> This HUD sponsored Rebuild by Design project strives to stabilize the shoreline, reduce coastal flood risk, and protect the local economy. John and the Stantec team's resilient solution currently under design includes integrated living shorelines, elevated walking trails, green infrastructure, ecosystem restoration and matrix of natural and reinforced sand dunes. <b>Scope:</b> Resiliency planning, Living shorelines/wetlands/shoreline protection, Civil engineering/stormwater management and modeling, Coastal berms/landscaping, Elevated roads and pathways, Community outreach, multi-federal agency coordination, HUD grant administration, and Flood risk reduction • <b>Size:</b> Staten Island • <b>Cost:</b> N/A • <b>Role:</b> Technical Advisor		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME Sarah Troedson, GISP	13. ROLE IN SERVICE CATEGORY Senior GIS Analyst	14. YEARS EXPERIENCE	
		a. TOTAL 27	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State) Stantec Consulting Services Inc. (Thousand Oaks, CA)
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16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Geographic Information Systems BS, Geology	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Certified Geographic Information Systems Professional (GISP) #58500
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Memberships:</b> North American Cartographic Information Society, Urban and Regional Information Systems Association (URISA), Women in GIS
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### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>a.</b>	Hawai'i Green Growth Ala Wai Watershed Collaboration (Honolulu, HI)	PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> This project was conducted to support the development of a Holistic Ala Wai Watershed Management Plan for Growth in partnership with UH Sea Grant and the Waikiki Beach Special Improvement District Association. The plan addresses six priority issues for the watershed: stormwater flood risk; ecological restoration and protection; storm surge and sea level rise; hurricane, climate, and disaster resilience; improvements of recreation spaces; uplift and restore cultural sites and practices. • <b>Size:</b> N/A • <b>Cost:</b> \$9K • <b>Role:</b> Senior GIS Analyst		
<b>b.</b>	Maui and Molokai Dam Safety Inspections Phase I (Maui and Molokai Islands, HI)	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Responsible for gathering current and historic seismic data to create maps of seismic activity within 100km of multiple dams on the islands of Maui and Molokai, as well as producing geologic maps and location maps for field staff and for reports. • <b>Size:</b> N/A • <b>Cost:</b> \$50K • <b>Role:</b> Senior GIS Analyst		
<b>c.</b>	Lahaina Watershed Flood Management Project (Lahaina, HI)	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> The Lahaina Watershed Flood Management Project requires the development of a Natural Resource Conservation Service (NRCS), NEPA, and HEPA compliant Supplemental Plan Environmental Document (ED) to evaluate watershed protection and management measures within the Lahaina Watershed. The proposed project is intended to mitigate for flooding and reduce the impacts of sedimentation in the nearshore marine environment. • <b>Size:</b> 5,250 acres • <b>Cost:</b> \$1.4M • <b>Role:</b> Senior GIS Analyst		

# County of Hawai'i

(1) TITLE AND LOCATION ( <i>City and State</i> ) Maui Asset Inventory and Characterization (Wailuku, HI)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2020	CONSTRUCTION ( <i>If applicable</i> ) N/A
<b>d.</b> (3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Scope:</b> Review and catalog physical and virtual assets for Maui DWS via spreadsheets, geodatabases, client interviews, and other data sources. Normalize and reconcile regional naming conventions to allow for assessments of critical infrastructure. Prepare an initial inventory for client review and internal categorizing to feed into future safety and emergency preparedness plans. • <b>Size:</b> County-wide • <b>Cost:</b> N/A • <b>Role:</b> Senior GIS Analyst</p>		
(1) TITLE AND LOCATION ( <i>City and State</i> ) Sampling and Analysis Plan, Hono'uli'uli National Historic Site (Waipahu, HI)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION ( <i>If applicable</i> ) N/A
<b>e.</b> (3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p><b>Scope:</b> Implement Sampling and Analysis plan for the Hono'uli'uli National Monument, creating sample locations across eight decision units, setting up field maps (paper and digital) and enabling field data collection of sample locations in real time. Additional support for field safety by identifying prior obstructions and pits and providing live locations in Field Maps. • <b>Size:</b> 123 acres • <b>Cost:</b> Confidential • <b>Role:</b> Senior GIS Analyst</p>		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME Michele Lefebvre, Ph.D.	13. ROLE IN SERVICE CATEGORY Project Manager, Environmental Scientist	14. YEARS EXPERIENCE	
		a. TOTAL 21	b. WITH CURRENT FIRM 14

15. FIRM NAME AND LOCATION (City and State)

Stantec GS Inc. (Honolulu, HI)

*Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.*

16. EDUCATION (DEGREE AND SPECIALIZATION)

Ph.D., Biology  
BA, Biology

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

N/A

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**Certifications and Training:** Adjunct lecturer at University of Hawai'i, Hilo – Environmental Impact Assessment ENSC 441, Spring 2019; NEPA and 24 CFR Part 58 Environmental Review Procedures for Entities Assuming HUD Environmental Responsibilities, Hilo, HI; Vegetation of the Hawai'ian Islands (audited course ENSC-457); NEPA Cumulative Effects Analysis & Documentation, San Francisco, CA

**Memberships:** National Association of Environmental Professionals; American Exploration and Mining Association

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<p>Kaloko Affordable Housing Project HRS 343 and HUD NEPA, Environmental Assessments (Kaloko, HI)</p>	<p>PROFESSIONAL SERVICES 2018</p>	<p>CONSTRUCTION (If applicable) N/A</p>
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span></p> <p><b>a. Scope:</b> Michele is coordinating with the applicant (Hawai'i Island Community Development Corporation) and a local sub-consultant (Geometrician Associates LLC) to prepare the EAs. She helped to collect the traffic data and coordinated the preparation and completion of the Traffic Impact Assessment Report (TIAR) for the project with a Stantec traffic engineer. Michele also coordinated the water impact assessments with two local hydrologist sub-consultants and the assessment of cultural impacts with a local cultural resource firm. <b>Scope:</b> Environmental Assessments • <b>Size:</b> Hawai'i Island • <b>Cost:</b> \$146K • <b>Role:</b> Project Manager</p>		
<p>Puna Geothermal Venture HEPA EIS, Paho, HI</p>	<p>PROFESSIONAL SERVICES 2023</p>	<p>CONSTRUCTION (If applicable) N/A</p>
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span></p> <p><b>b. Scope:</b> Michele was responsible for preparing a HEPA EIS for the upgrade of equipment at Ormat Technologies operating geothermal power plant near the Kilauea Volcano on Hawai'i Island. The upgrade of equipment would reduce the footprint, emissions, and noise compared to current operations. The need for the EIS has been identified by the Public Utilities Commission. Coordinating baseline surveys, coordinating with the approving agency (Planning Department), organizing public outreach, and preparing the impact analysis for the EIS. Public concerns about the project include air quality, water quality, geologic hazards, and noise. • <b>Size:</b> N/A • <b>Cost:</b> \$462K • <b>Role:</b> Project Manager/Biologist</p>		

# County of Hawai'i

<p>(1) TITLE AND LOCATION <i>(City and State)</i></p> <p>Matsuyama Commercial Center on NELHA Land HRS 343, Environmental Assessment (Kailua-Kona, HI)</p>	<p>(2) YEAR COMPLETED</p>	
	<p>PROFESSIONAL SERVICES 2018</p>	<p>CONSTRUCTION <i>(If applicable)</i> 2023</p>
<p><b>c.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE</p> <p><b>Scope:</b> Michele coordinated with the applicant (Mats4 LLC) and the approving agency (Natural Energy Laboratory of Hawai'i Authority) to prepare the EA. Her responsibilities included working with the agency to identify issues, conducting public comments analysis, and writing the Draft and Final EA. Michele helped to collect the traffic data and coordinated the preparation and completion of the TIAR for the project with a Stantec traffic engineer. Michele also coordinated the biological survey with a local sub-consultant and the assessment of cultural impacts with a local cultural resource firm. • <b>Size:</b> Hawai'i Island • <b>Cost:</b> \$44K • <b>Role:</b> Project Manager</p>	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p>(1) TITLE AND LOCATION <i>(City and State)</i></p> <p>Fenway Development Project HEPA EA (South Kona, HI)</p>	<p>(2) YEAR COMPLETED</p>	
	<p>PROFESSIONAL SERVICES 2023</p>	<p>CONSTRUCTION <i>(If applicable)</i> N/A</p>
<p><b>d.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE</p> <p><b>Scope:</b> Michele prepared a HEPA EA for this multi-unit two-phase housing development in South Kona. Coordinating the update to the biological survey and conducting a traffic impact analysis for the project. Stantec will coordinate with the applicant and approving agency (Planning Department) through EA approval. • <b>Size:</b> N/A • <b>Cost:</b> \$111K • <b>Role:</b> Project Manager/Biologist</p>	<input checked="" type="checkbox"/> Check if project performed with current firm	
<p>(1) TITLE AND LOCATION <i>(City and State)</i></p> <p>HELCO Saddle Road Transmission Line Re-build Project – Baseline Surveys and Stakeholder Outreach (Hawai'i, HI)</p>	<p>(2) YEAR COMPLETED</p>	
	<p>PROFESSIONAL SERVICES 2019</p>	<p>CONSTRUCTION <i>(If applicable)</i> N/A</p>
<p><b>e.</b> (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE</p> <p><b>Scope:</b> Michele coordinated with stakeholders (private landowners, local agencies, and Pōhakuloa Training Area) to obtain permission for local subconsultants to conduct a biological survey and archaeological inventory for this cross-island transmission line. For this survey, Stantec also assisted HELCO with identifying alternative line alignments for the inventory to ensure baseline data would be available for the project's future NEPA and/or HRS 343 analysis. • <b>Size:</b> Hawai'i Island • <b>Cost:</b> \$269K • <b>Role:</b> Project Manager</p>	<input checked="" type="checkbox"/> Check if project performed with current firm	

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME  John Nelson	13. ROLE IN THIS CONTRACT  Environmental Planner	14. YEARS EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State) Stantec Consulting Services Inc. (Honolulu, HI)
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16. EDUCATION (Degree and Specialization) BS, Oceanography & Native American Tribal Law	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 John spent 10 years with Native American Tribes, Local Districts, and Federal Government as an environmental director, physical scientist, project manager, field biologist, and NEPA specialist. He led marine projects and managed development of scientific assessments, monitoring restoration and/or management plans, field programs, and permit application reports in the United States. John leads multiple interdisciplinary teams working primarily on natural resource and conservation-related plans and projects. While conservation projects are his primary passion, he has managed several plans and Environmental Assessment (EA), Environmental Impact Statement (EIS), and Phase I & II efforts for governmental entities and organizations.

**Certifications and Training:** Emergency Medical Technician, First Aid, and First Responder, National Operator of Uninspected Passenger Vessel, Certified small boat operator, Boating Safety U.S. Foundation & United States Coast Guard, Section 106 Cultural Resources Consultant, Section 106 of the National Historic Preservation Act

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Lahaina Watershed Flood Management Project (Lahaina, HI)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> John is the Nature Based Solutions and Traditional Ecological Knowledge Technical Lead for the Lahaina Watershed Environmental Assessment, which evaluates the impact of proposed flood control measures and related projects within the Lahaina Watershed in Maui, Hawaii. The assessment aims to address issues such as flooding, sedimentation, and water quality, while also considering the preservation of natural and cultural resources. John is helping with the assessment that identifies the need for improved infrastructure to manage stormwater and prevent damage to residential and commercial properties. John is assisting the restoration of native vegetation in riparian areas to enhance ecological function and water quality. He is working to address the implementation of erosion control measures to reduce sedimentation in waterways. John is helping the County of Maui and NRCS in strategies to minimize negative impacts include timing construction activities to avoid critical periods for wildlife, using best management practices to control erosion, and involving the community in restoration projects. He is also involved with the assessment that emphasizes the importance of preserving cultural and historical sites within the watershed. John has in-depth engagement with local communities, including Native Hawaiian groups, and is a key component of the planning process to ensure that traditional knowledge and values are respected. The assessment process includes public meetings, stakeholder consultations, and opportunities for community input to ensure that the project reflects local needs and priorities.		

# County of Hawai'i

	(1) TITLE AND LOCATION <i>(City and State)</i> Kekaha Brownfields Community Engagement (Kekaha, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
b.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> John is assisting the Kekaha EPA Brownfield community engagement initiative, which focuses on involving local residents and stakeholders in the redevelopment of brownfield sites in Kekaha, Hawaii. Brownfields are properties where the presence or potential presence of hazardous substances, pollutants, or contaminants may complicate their expansion, redevelopment, or reuse. The EPA's initiative aims to address environmental, health, and economic concerns associated with these sites. John is assisting key components of the project engagement which include community outreach and education: informing residents about the brownfield sites, potential risks, and the benefits of redevelopment. This includes public meetings, informational sessions, and distributing educational materials. Stakeholder engagement efforts include local businesses, community organizations, and government entities in planning and decision-making processes. This ensures that redevelopment plans align with community needs and aspirations. He studies, researches, and conducts environmental assessments to identify contamination levels and developing plans for site remediation. This may involve soil testing, removal of hazardous materials, and long-term monitoring to ensure safety. He aims to promote the redevelopment of brownfield sites to create job opportunities, stimulate local economies, and improve property values.		
	(1) TITLE AND LOCATION <i>(City and State)</i> Brawley Wash Watershed Plan and Environmental Assessment (Arizona, USA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i>
c.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> John is assisting the Pima County Brawley Wash Watershed Environmental Assessment, which evaluates the potential environmental impacts of various projects and initiatives aimed at managing water resources within the Brawley Wash Watershed in Pima County, Arizona. This assessment is conducted under the guidelines of the National Environmental Policy Act (NEPA) and includes a detailed analysis of the current environmental conditions, potential impacts of proposed actions, and measures to mitigate adverse effects. The primary purpose of the project is to address flooding, erosion, and sedimentation issues in the Brawley Wash Watershed. The need for the assessment arises from the necessity to improve water management, enhance public safety, and protect infrastructure and natural resources. John is helping with the assessment, which evaluates multiple alternatives, including no-action alternative.		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME  Tricia W. Dang	13. ROLE IN SERVICE CATEGORY  Senior Environmental Planner	14. YEARS EXPERIENCE	
		a. TOTAL 22	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State) Stantec Consulting Services Inc. (Honolulu, HI)
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16. EDUCATION (DEGREE AND SPECIALIZATION)  MA, Business Administration MA, Urban and Regional Planning BS, Environmental Studies and Sociology	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)  LEED Accredited Professional, Green Building Certification Institute
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  <b>Memberships:</b> APA Hawai'i Chapter - American Planning Association
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### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>a.</b>	Maui DWS FEMA Coordination and Funding Strategy	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Scope:</b> Working closely with Stantec's Disaster Recovery team and Dr. Kim Pugel, Tricia supports the funding team's effort for the County of Maui Department of Water Supply (Maui DWS) pursuits of FEMA and other federal funding in response to the Lahaina and Kula fires in August 2023. To be responsive to federal agency and disaster timelines, she supports the team's development of a grants database, application submittals, and a prioritized project database synthesizing \$1.2B in capital projects to build a more fire-resilient water system County-wide. <b>Role:</b> Planner		
<b>b.</b>	Pūlama Lanai (Hawaii, USA)	PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Tricia supported Pūlama Lanai, the land and resource management company on the island of Lanai, with Community Planning, Environmental Planning, and Transportation Planning services for existing and proposed agricultural facilities and shared public infrastructure. <b>Role:</b> Project Manager		
<b>c.</b>	Utility Scale Solar PV Facilities – Confidential Client (Makawao, Pukalani, Kihei, Maui)	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Scope:</b> Tricia leads the environmental tasks for three utility scale solar PV projects on the island of Maui. She works directly with the client, subconsultants, and Stantec technical staff for this design-build suite of 3 solar installations. She manages and directs staff through environmental assessments, archaeological investigations, public and stakeholder engagement, and environmental permitting for this project. <b>Role:</b> Environmental Project Manager		
	Charles I. Elliott Maintenance and Cargo Facility - Tenant Improvements (Honolulu, HI)	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		

# County of Hawai'i

<b>d.</b>	<p>As a part of the first phase of the Hawaii Airports Modernization Program, Tricia was contracted to take over the delayed Hawaiian Airlines Maintenance and Cargo Hangar Facility Tenant Improvement project, leading and completing the interior improvements for the newly constructed 280,000 SF Facility within seven months. This work included leading the completion of 170 outstanding project items across five major departments to support over 1,100 employees housed in the new facility. She worked directly with over 40 vendors and 80 Hawaiian Airlines leads to gather/confirm requirements and data, select vendors, execute contracts, oversee completion of work, and track budget.</p> <p><b>Role:</b> Project Lead</p>		
<b>e.</b>	<p>(1) TITLE AND LOCATION <i>(City and State)</i></p> <p>Waiawa Kai Infrastructure Development Plan (Honolulu, HI)</p>	<p>(2) YEAR COMPLETED</p>	
		<p>PROFESSIONAL SERVICES</p> <p>2018</p>	<p>CONSTRUCTION <i>(if applicable)</i></p> <p>N/A</p>
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span></p> <p>Tricia conducted a comprehensive desktop review of the area over the last 100 years as well as site visits to over a dozen existing properties to identify and detail infrastructure opportunities, strategic phasing, and ROM costs to permit and develop the 70-acre coastal area to support KS' agricultural and education objectives.</p> <p><b>Role:</b> Planner</p>		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME Peer Amble	13. ROLE IN SERVICE CATEGORY Environmental Planner	14. YEARS EXPERIENCE	
		a. TOTAL 36	b. WITH CURRENT FIRM 26

15. FIRM NAME AND LOCATION (City and State)

Stantec GS Inc. (Santa Barbara, CA)

*Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.*

16. EDUCATION (DEGREE AND SPECIALIZATION)

BA, Physical Geography

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

N/A

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**Memberships:** Louisiana Archaeological Society, Society for American Archaeology, Society for Hawaiian Archaeology, Society for Historical Archaeology

**Awards:** Northern Marianas Humanities Council Lifetime Achievement Award, 2019, Saipan

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	NAVFAC Pacific, EIS for Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility Dry Dock and Waterfront Production Facility at JBPHH (Oahu, HI)	PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
<b>a.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Worked closely with Project Manager to “plan the work” by instituting streamlining and process improvements into the DOPAA development (i.e., clarity, presentation and simplification of details necessary for the impact analysis), development of impact analysis framework and EIS “mock up” for the 16 resource areas, and integration of ongoing/previous NEPA documents. Provided direct guidance to SMEs and resource authors to establish analytical approach, particularly for critical issues such as schedule development and management including design integration, parallel timelines for agency consultations, and public involvement. • <b>Size:</b> N/A • <b>Cost:</b> \$7.2M • <b>Role:</b> Senior NEPA Planner		
	NAVFAC Pacific, EA for the Home Basing of the MQ-9 Unmanned Aerial Vehicle Squadron and KC-130J Marine Aerial Refueler Transport Squadron at Marine Corps Base HI (Kaneohe Bay, Oahu, HI)	PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable) N/A
<b>b.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Led team’s analysis and agency consultation support for controversial and high-profile project, which concluded with a Finding of No Significant Impact (FONSI) within one-year schedule. Provided guidance and support for consultation with the State of Hawai'i Office of Planning and Sustainable Development, Planning Division who concurred with the Marine Corps’ determination that the action would not result in any reasonably foreseeable direct or indirect effects to uses or resources within the Hawai'i Coastal Zone. Integrated NHPA Section 106 consultation input from Marine Corps, Navy, and consulting parties into analysis, including development and modification of robust alternatives. Skillfully adapted to heightened public interest by implementing a full-team effort to address/integrate public comments and deliver the EA on schedule. • <b>Size:</b> N/A • <b>Cost:</b> \$878K • <b>Role:</b> Project Manager/Senior NEPA Planner		
	NAVFAC Pacific, EA for RM14-1420 Repair Lima Wharf and RM14-1423 Repair Mike and November Wharves at Naval Base Guam (Apra Harbor, Guam)	PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) N/A
<b>c.</b>	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Provided senior NEPA planning support and oversight for resource analyses. In project initiation phases, conveyed issues of agency and stakeholder concern and considerations for analysis of marine resources, other natural resources, and human resources. This included the development of the integrated master project schedule, DOPAA development (with particular emphasis on the alternatives) and determining the appropriate level of analysis for resource areas, and efficiencies of integration of prior NEPA analysis, consultations, and environmental compliance actions. Provided senior analysis for coastal consistency documentation. • <b>Size:</b> N/A • <b>Cost:</b> \$290K • <b>Role:</b> Senior NEPA Planner		

# County of Hawai'i

<b>d.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> NAVFAC Southwest, EIS for Revitalization of NAVWAR Facilities at Naval Base Point Loma Old Town Campus (San Diego, CA)	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">PROFESSIONAL SERVICES</td> <td style="width: 70%;">CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td></td> <td style="text-align: center;">N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>		N/A
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
	N/A						
Ongoing							
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Participated in development of five alternatives foundational for this unique action supporting the Navy's cyber warfare mission. Coordinated with NAVFAC and SMEs to ensure development of a reasonable range of alternatives that met the purpose and need. Coordinated with Navy to incorporate input from state and local agencies into a strategy of integrated analysis for specific components. Supported management of subcontractors and development/ integration of the Visual Impact Assessment and worked with other resource analysts to resolve issues and strengthen the assessment of existing conditions and potential impacts, primarily for visual resources, air quality, and transportation. • <b>Size:</b> N/A • <b>Cost:</b> \$6.3M • <b>Role:</b> Senior NEPA Planner							
<b>e.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> NAVFAC Pacific, Draft EIS/Overseas EIS for the Commonwealth of the Northern Mariana Islands Joint Military Training (CJMT), (Island-wide, Commonwealth of the Northern Mariana Islands)	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">PROFESSIONAL SERVICES</td> <td style="width: 70%;">CONSTRUCTION <i>(If applicable)</i></td> </tr> <tr> <td style="text-align: center;">2016</td> <td style="text-align: center;">N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>	2016	N/A
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>					
2016	N/A						
Ongoing							
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Led a team of JV staff to research and prepare the Draft EIS/OEIS and all supporting studies and surveys. Supported Marine Corps Forces Pacific (Executive Agent) in interactions with six federal supporting agencies and multiple stakeholder organizations in the CNMI. Coordinated consultations with federal agencies, including ESA Section 7 (USFWS and NMFS), Clean Water Act (CWA) Section 404 including Least Environmentally Damaging Practicable Alternative (LEDPA) analysis, and Magnuson-Stevens Fishery Conservation Management Act Essential Fish Habitat (EFH) assessment. Oversaw the safe and successful execution of extensive field studies, involving large field teams conducting work in remote locations for marine biology and cultural resources in previously unstudied areas of the Western Pacific. Implemented innovative technology solutions (e.g., collaborative SharePoint file management systems and use of Web-based GIS tools) for 120 JV, Navy, and Marine Corps project team members. Developed project budgeting and tracking system to manage costs for 200+ subtasks and 15 contract actions over five years. Managed complex schedule, integrating numerous moving parts and milestone-dependent elements. • <b>Size:</b> N/A • <b>Cost:</b> \$26.2M • <b>Role:</b> Project Manager/Senior NEPA Planner							

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME <b>Benjamin Berridge, AICP, PMP</b>	13. ROLE IN SERVICE CATEGORY <b>Environmental Planner</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>16</b>	b. WITH CURRENT FIRM <b>11</b>

15. FIRM NAME AND LOCATION (City and State)  
**Stantec GS Inc. (Honolulu, HI)**  
*Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.*

16. EDUCATION (DEGREE AND SPECIALIZATION) <b>BA, Environmental Studies</b>	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Project Management Professional, Project Management Institute          Certified Planner #384544, American Planning Association, American Institute          of Certified Planners</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
**Memberships:** American Planning Association, Hawai'i Chapter, Association of Environmental and Health Sciences Foundation  
**Additional Training/Certifications:** Project Management Professional (PMP) Boot Camp, Batelle Memorial Institute/Coastal Marine Spatial Planning Advanced Training Certificate

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>City and County of Honolulu NPDES MS4 Monitoring (Honolulu, HI)</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>a. Scope:</b> Managed all Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination system (NPDES) permit required monitoring and reporting for the City and County of Honolulu, Storm Water Branch. Managed collection of storm water samples at 75 industrial facilities throughout the island of Oahu. Duties included investigating, planning and installation of remote water quality and atmospheric monitoring stations to collect first-flush storm water samples according to 40 CFR 136 and EPA guidelines. Provided QA/QC oversight of telemetered monitoring stations incorporating data logged by automated sampling equipment, water quality sensors, as well as area-velocity sensors and pressure transducers providing continual flow records and site conditions. Also, tracked/archived weather, coordinated 24/7 on-call teams for grab/composite sample collection, maintained rainfall-runoff curves and monitored automated sampling equipment. • <b>Size:</b> N/A • <b>Cost:</b> \$462K (2022) • <b>Role:</b> Project Manager/Environmental Planner		
<b>Environmental Monitoring Services for Geothermal Energy Conversion Plant, Puna Geothermal Venture (Pāhoa, HI)</b>	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>b. Scope:</b> Providing environmental monitoring services to Puna Geothermal Venture, in Pāhoa, Hawai'i. Services include meteorology, noise, air quality, and groundwater monitoring as required by Geothermal Resource, Underground Injection Control, and Noncovered Source Permits from the State of Hawai'i Department of Health (DOH). Manages data collection (EDAS), conducts QA/QC process for daily air quality reports, and authors semi-annual hydrological monitoring reports and monthly noise, meteorological, and air quality monitoring reports. Field activities include semi-annual groundwater sampling and calibration of meteorological monitoring equipment. • <b>Size:</b> N/A • <b>Cost:</b> \$2.4M • <b>Role:</b> Program Manager/Environmental Planner		

# County of Hawai'i

<p>(1) TITLE AND LOCATION (<i>City and State</i>)  <b>Engineering and Environmental Planning Studies for Alternative Energy at PMRF (Kekaha, HI)</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2021</td> <td style="width: 50%;">CONSTRUCTION (<i>If applicable</i>) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2021	CONSTRUCTION ( <i>If applicable</i> ) N/A
PROFESSIONAL SERVICES 2021	CONSTRUCTION ( <i>If applicable</i> ) N/A			
<p>c. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p><input checked="" type="checkbox"/> Check if project performed with current firm</p> <p><b>Scope:</b> Provided oversight and management of engineering and environmental planning studies to support current and future resiliency and energy requirements for Pacific Missile Firing Range (PMRF) in Kekaha, Kauai, Hawai'i. As part of a PMRF energy resiliency roadmap, the project team completed assessments to determine the viability and sustainability of alternative energy solutions, to include a cost benefit analysis of waste to energy (WTE) and other alternative energy technologies. In addition, the team consulted with cooperating government agencies, State, County, local utilities including Kauai Island Utility Cooperative (KIUC) and local industry for the island of Kauai. The project team analyzed the impacts on cultural and natural resources and recommended mitigation measures to minimize potential impacts. Environmental planning data collected was used for future National Environmental Protection Act (NEPA) documents for PMRF. • <b>Size:</b> N/A • <b>Cost:</b> \$511K • <b>Role:</b> Program Manager/Environmental Planner</p>				
<p>(1) TITLE AND LOCATION (<i>City and State</i>)  <b>Environmental Impact Statement for Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility Dry Dock and Waterfront Production Facility at JBPHH (Oahu, HI)</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2023</td> <td style="width: 50%;">CONSTRUCTION (<i>If applicable</i>) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2023	CONSTRUCTION ( <i>If applicable</i> ) N/A
PROFESSIONAL SERVICES 2023	CONSTRUCTION ( <i>If applicable</i> ) N/A			
<p>d. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p><input checked="" type="checkbox"/> Check if project performed with current firm</p> <p><b>Scope:</b> Provided management and oversight of the development of a large, multifaceted, and high-profile Environmental Impact Statement (EIS) evaluating improvements, repairs, and/or new construction in support of Joint Base Pearl Harbor Hickam (JBPHH) submarine dry dock and dry dock production facility infrastructure, which is part of the US Navy's Shipyard Infrastructure Optimization Program (SIOP). Coordinated evaluation of four alternatives and a no action alternative in detail, ESA Section 7 consultation including Biological Assessment, Essential Fish Habitat Assessment, NHPA section 106 consultation, and USACE CWA Section 404 permitting and compensatory mitigation planning as well as State of Hawai'i Department of Health (HDOH) CWA Section 401 water quality certification support. • <b>Size:</b> N/A • <b>Cost:</b> \$5.5M • <b>Role:</b> Project Director/Environmental Planner</p>				
<p>(1) TITLE AND LOCATION (<i>City and State</i>)  <b>Biological and Benthic Habitat Survey in Support of SIOP and INRMP for JBPHH (Oahu, HI)</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2023</td> <td style="width: 50%;">CONSTRUCTION (<i>If applicable</i>) N/A</td> </tr> </table>		PROFESSIONAL SERVICES 2023	CONSTRUCTION ( <i>If applicable</i> ) N/A
PROFESSIONAL SERVICES 2023	CONSTRUCTION ( <i>If applicable</i> ) N/A			
<p>e. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p><input checked="" type="checkbox"/> Check if project performed with current firm</p> <p><b>Scope:</b> Provided oversight and management of various biological and benthic studies to document benthic habitats, coral density and cover, biofouling communities, fish species, and protected species in support of Navy Shipyard Infrastructure Optimization Program (SIOP) as well as a revision of the Joint Base Pearl Harbor Hickam (JBPHH) Integrated Natural Resources Management Plan (INRMP). Project team supported Navy consultations with various agencies and provided data supporting recommendations for which corals found within the multiple construction footprints can potentially be successfully relocated. Project team developed a GIS web application that showcases all study findings during the entire project duration in an easily navigable interactive platform. • <b>Size:</b> N/A • <b>Cost:</b> \$1.3M • <b>Role:</b> Project Director/Environmental Planner</p>				

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME  Hannah Hubanks	13. ROLE IN SERVICE CATEGORY  Environmental Scientist	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION (City and State)  Stantec GS Inc. (Honolulu, HI) <i>Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.</i>
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16. EDUCATION (DEGREE AND SPECIALIZATION)  MS, Natural Resources and Environmental Management BS, Zoology	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)  N/A
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**Certifications and Training:** NRCS Technical Service Provider (TSP)  
**Continuing Education:** 2022 National Military Fish and Wildlife Association-Natural Resources Annual Training Workshop (34 continuing education credits)

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<p>City and County of Honolulu NPDES MS4 Monitoring (Honolulu, HI)</p>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span></p> <p><b>a. Scope:</b> Supported Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination system (NPDES) permit required monitoring and reporting for the City and County of Honolulu, Storm Water Branch. The project continually implements storm water sampling procedures pursuant to the NPDES permit requirements and manages data for all associated industrial facilities. Duties include maintenance of remote water quality and atmospheric monitoring stations to collect first-flush storm water samples according to 40 CFR 136 and EPA guidelines. Provided support to telemetered monitoring stations involving data logging by automated sampling equipment and tracked/archived weather data. <b>Size:</b> N/A • <b>Cost:</b> \$462K (2022) • <b>Role:</b> Environmental Scientist</p>		
<p>Environmental Monitoring Services for Geothermal Energy Conversion Plant, Puna Geothermal Venture (Pāhoa, HI)</p>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span></p> <p><b>b. Scope:</b> Provided oversight and management of environmental services for the geothermal power plant, Puna Geothermal Venture, located in Pāhoa on Hawai'i Island. Tasks included meteorological, air quality and groundwater monitoring services required by permit from the Hawai'i Department of Health (HDOH). Responsibilities included management of environmental data collection and QA/QC processes for daily air quality reports, semi-annual hydrological monitoring reports, and monthly noise and meteorological and air quality monitoring reports as required by HDOH. Field activities included semi-annual groundwater sampling. <b>Size:</b> N/A • <b>Cost:</b> \$2.4M • <b>Role:</b> Deputy Project Manager/Environmental Scientist</p>		

# County of Hawai'i

(1) TITLE AND LOCATION <i>(City and State)</i> Hawai'i Soil Health Index Study (Statewide, HI)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>c.</b> <b>Scope:</b> Researched and analyzed Hawai'i soil samples for the development of a Hawai'i Soil Health Index. Results used in conjunction with available SSURGO data are intended to improve the assessment of soils in the state and provide tools to document degradation or improvement. Coordinated, collected, and processed soils from locations across the state and generated an approach to evaluate soil health across a variety of land uses and soil types. Worked closely with the University of Hawai'i and COMET-Farm (Carbon Management and Emissions Tool) developers to integrate findings into a tool utilized by the United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS) to monitor soil health in Hawai'i. • <b>Size:</b> N/A • <b>Cost:</b> \$500K • <b>Role:</b> Project Manager/Lead Researcher/Senior Environmental Scientist		
(1) TITLE AND LOCATION <i>(City and State)</i> Water Quality Monitoring and BMP Inspections for Agribusiness Development Corporation (Mana Plains, HI)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>d.</b> <b>Scope:</b> Supporting project management and execution of water quality and sediment monitoring and best management practices (BMP) inspections for the Agribusiness Development Corporation (ADC) owned lands on the Mana Plains near Kekaha, Kauai. The water quality and sediment monitoring were in response to litigation brought against the state for violations of the Clean Water Act. Sample sites were selected throughout the watershed to help assess the complete dynamics of the systems; many were in remote locations. The project team presented quarterly monitoring and inspection reports to the state and the public. Toxicity analysis was conducted on local species of interest as part of this project. The project team also provided recommendations for improvements in the watershed to improve water quality. • <b>Size:</b> N/A • <b>Cost:</b> \$1.8M • <b>Role:</b> Deputy Project Manager/Senior Environmental Scientist		
(1) TITLE AND LOCATION <i>(City and State)</i> Waimanalo Watershed Restoration Project, O'ahu Resource Conservation and Development Council (O'ahu, HI)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>e.</b> <b>Scope:</b> Coordinated and monitored Best Management Practices (BMPs) for a Hawai'i State Department of Health (DOH) Clean Water Branch (CWB) grant-funded project. Managed site visits, coordination of native plant restoration, photo monitoring, contracts and produced quarterly progress reports with participating farms in this watershed-wide effort to reduce erosion and nutrient and sediment pollution following United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS) standards. Served on the City and County of Honolulu Storm Water Utility Stakeholder Advisory Group. • <b>Size:</b> N/A • <b>Cost:</b> \$375K • <b>Role:</b> Project Manager/Conservation Specialist/Senior Environmental Scientist		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME Bert Weeks	13. ROLE IN SERVICE CATEGORY Marine Biologist	14. YEARS EXPERIENCE	
		a. TOTAL 10	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)

Stantec GS Inc. (Honolulu, HI)

*Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.*

16. EDUCATION (DEGREE AND SPECIALIZATION)

Master of Advanced Studies/Marine Biodiversity and Conservation  
BS, Biology

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

N/A

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**Memberships:** National Association of Environmental Professionals

**Certifications and Training:** AAUS Science Diver

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<p>Stormwater Monitoring and MS4 NPDES Permit Related Services for the City and County of Honolulu 2022 (Honolulu, HI)</p>	2022	N/A
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span></p> <p><b>a.</b> <b>Scope:</b> Providing support to CY22 stormwater monitoring services for National Pollutant Discharge Elimination System (NPDES). Project is to monitor and maintain nine (9) rain gauges across the island of Oahu in support of stormwater runoff sampling from City-operated industrial facilities. The key project goal is support of NPDES permit compliance for these facilities. Implements stormwater sampling during qualifying storm events and submission of water samples to laboratory facilities for further analyses in support of NPDES permit compliance. Drafts Storm Event Summary Reports and water sample compositing and field water quality grab parameter analysis after each storm event. Assists in completion of twice weekly weather tracking and archiving of forecasts, annual compilation of a sample location photo log, and an annual report summarizing findings. • <b>Size:</b> N/A • <b>Cost:</b> \$462K • <b>Role:</b> Environmental Scientist/Biologist</p>		
<p>Environmental Impact Statement for Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility Dry Dock and Waterfront Production Facility at JBPHH (Oahu, HI)</p>	2023	N/A
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span></p> <p><b>b.</b> <b>Scope:</b> Providing support for an EIS evaluating improvements, repairs, and/or new construction in support of JBPHH submarine dry dock and dry dock facility infrastructure with four alternatives and a no action alternative. Project has an aggressive timeline for completion (two years). Ongoing work includes completion of the State of Hawai'i DOH Water Quality Certification, Compensatory Mitigation Plan, and the USACE individual permit. The proposed project's construction-related actions include dredging, fill, pile driving, installation of new temporary and permanent in-water structures, demolition of existing landside structures, and construction of new temporary and permanent landside facilities. The EIS evaluated impacts to five alternatives with various support facility options and 16 resources areas including dredging and filling within a Superfund remedial action area and demolishing existing historic structures. There are three cooperating agencies including USACE, USEPA, and NMFS. • <b>Size:</b> 176,800 SF Dry Dock and Waterfront Production Facility; 2,800-acre area • <b>Cost:</b> \$7.1M • <b>Role:</b> Marine Biologist/Environmental Scientist</p>		

# County of Hawai'i

<b>c.</b>	(1) TITLE AND LOCATION ( <i>City and State</i> ) Coral Monitoring Surveys and Coral Maintenance in Support of RM14-1420 Repair Lima Wharf and RM14-1423 Repair Mike and November Wharves Naval Base Guam (Apra Harbor, Guam)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2023	CONSTRUCTION ( <i>If applicable</i> ) N/A
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Surveyed and maintained assessments of transplanted coral for a Navy mitigation project in Guam. <b>• Size:</b> N/A <b>• Cost:</b> \$1.6M <b>• Role:</b> Environmental Scientist/Biologist			
<b>d.</b>	(1) TITLE AND LOCATION ( <i>City and State</i> ) Integrated Natural Resources Management Plan (INRMP) Update, JPHPH (Oahu, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION ( <i>If applicable</i> ) N/A
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Providing support for this significant update and overhaul to the JBPHH INRMP from 2011. The INRMP is a revision consisting of the comprehensive integrated plan for the conservation and management of natural resources to comply with natural resources stewardship requirements while optimizing mission activities. <b>• Size:</b> N/A <b>• Cost:</b> \$614K <b>• Role:</b> NEPA Specialist/Biologist			
<b>e.</b>	(1) TITLE AND LOCATION ( <i>City and State</i> ) State of Hawai'i Department of Land and Natural Resources Division of Aquatic Resources (Honolulu, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021	CONSTRUCTION ( <i>If applicable</i> ) N/A
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Created framework for coral restoration permitting for the State of Hawai'i. Created the coral restoration statewide strategy for the State of Hawai'i. Coordinated the inter-agency West Maui Funding and Agency Support Team (FAST). Organized the US Coral Reef Task Force meeting for 2021. Implemented the State of Hawai'i Holomua 30x30 initiative. <b>• Size:</b> N/A <b>• Cost:</b> N/A <b>• Role:</b> National Coral Management Fellow /Biologist			

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME <b>Boyd Dixon, PhD, RPA</b>	13. ROLE IN SERVICE CATEGORY <b>Archaeologist</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>57</b>	b. WITH CURRENT FIRM <b>17</b>

15. FIRM NAME AND LOCATION (City and State)

**Stantec GS Inc. (Honolulu, HI)**

*Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.*

16. EDUCATION (DEGREE AND SPECIALIZATION)

PhD, Anthropology  
MA, Anthropology  
BA, Anthropology

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Registered Professional Archaeologist, Founding Member  
#4772

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**Memberships:** Louisiana Archaeological Society, Society for American Archaeology, Society for Hawaiian Archaeology, Society for Historical Archaeology

**Awards:** Northern Marianas Humanities Council Lifetime Achievement Award, 2019, Saipan

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
<b>a.</b>	<b>NAVFAC Pacific, Alternative Energy Planning Studies and Resiliency Roadmap, Pacific Missile Range Facility (Kauai, HI)</b>	PROFESSIONAL SERVICES 2021	CONSTRUCTION (If applicable) N/A
		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Performed quality control review of three technical reports for different alternatives. Survey areas included over 2,134 acres on the Mānā Plain along Kauai's western shore. Provided guidance for crafting an impact analysis for pre-planning cultural resources evaluation. Documents supported Archaeological Inventory Surveys within the potential project sites for the proposed North Grid Connection and Undergrounding Project, and Solar PV and Battery Storage projects identified in the PMRF Roadmap. • <b>Size:</b> N/A • <b>Cost:</b> \$2.1M • <b>Role:</b> Archaeologist/Principal Investigator	
<b>b.</b>	<b>Archaeological Subsurface Survey at South Finegayan, Naval Base Guam</b>	PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Directed archaeological data recovery and prepared subsequent report for Latte site 66-08-0141. Led team for excavations which included backhoe trenching for geoarchaeological studies. Participated in shovel test pits for excavation archaeological sites within the potential direct impact areas for subsurface deposits. Conducted test units of Ground Penetrating Radar anomalies previously detected were captured. • <b>Size:</b> N/A • <b>Cost:</b> \$265K • <b>Role:</b> Archaeologist/Principal Investigator	
<b>c.</b>	<b>Archaeological Data Recovery (Andersen Air Force Base, Guam)</b>	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) N/A
		(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Directed archaeological data recovery investigations at 14 prehistoric sites and the NW Field WWII air base and post war camp. Manually excavated using 0.5 by 0.5-meter (1.6 by 1.6 foot) and 1 by 1 meter (3.3 by 3.3 foot) excavation units. Manual excavations revealed the remains of prehistoric oven cooking features and activity areas, plus WWII and post war artifacts and archival documents. Prepared subsequent report to provide mitigation actions for adverse effects to known cultural resources, which are within the direct impact area for a portion of the range complex located within AAFB. • <b>Size:</b> 14 sites • <b>Cost:</b> \$896K • <b>Role:</b> Archaeologist/Principal Investigator	

# County of Hawai'i

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
<b>d.</b>	NAVFAC Pacific, Draft EIS/Overseas EIS for the Commonwealth of the Northern Mariana Islands Joint Military Training (CJMT), (Island-wide, Commonwealth of the Northern Mariana Islands)	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Conducted archaeological surveys on Pagan and Tinian in the CNMI. Provided extensive support for public meetings and Section 106 consultation. Assembled/directed team conducting cultural resources surveys and identification/evaluation of traditional cultural properties in Pagan and Tinian. His extensive knowledge of the local area and local issues was instrumental in successful regulatory coordination efforts. • <b>Size:</b> N/A • <b>Cost:</b> \$26.2M • <b>Role:</b> Archaeologist/Principal Investigator		
<b>e.</b>	Archaeological Surveys and Cultural Resources Studies in Support of the Live-Fire Training Range Complex Supplemental EIS (Guam)	PROFESSIONAL SERVICES 2016	CONSTRUCTION <i>(If applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Conducted high intensity survey for proposed direct impact alternatives in support of the Supplemental EIS. The cultural resources survey occurred in areas throughout Guam including private lands. Guided and participated in complex archaeological surveys of over 5,395 acres in which a large number and variety of cultural resources were affected. Participated in shovel test pits for excavation archaeological sites within the potential direct impact areas for subsurface deposits. Recorded and prepared detailed maps, site descriptions, and photo-documented all archaeological resources identified within the potential direct in-fill survey areas and collected sufficient data to evaluate these sites for listing in the NRHP, as per 36 CFR Part 60. • <b>Size:</b> 5,395 acres • <b>Cost:</b> \$2M • <b>Role:</b> Archaeologist/Principal Investigator		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS SERVICE CATEGORY

(Complete one Section E for each key person.)

12. NAME Stephanie Clarke, GISP	13. ROLE IN SERVICE CATEGORY GIS Specialist	14. YEARS EXPERIENCE	
		a. TOTAL 11	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION (City and State)

Stantec GS Inc. (Solana Beach, CA)

*Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.*

16. EDUCATION (DEGREE AND SPECIALIZATION)

BA, Biology and Environmental Studies

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

Geographic Information Systems Professional #161322

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

**Training/Certifications:** 2021 Geography Directed Study: LIDAR, Unmanned Aircraft Systems, ArcGIS, Creating/Sharing GIS Content ArcGIS, Displaying Raster Data ArcGIS, Field GIS Collecting/Editing Data ArcPad 10, Going Places with Spatial Analysis, Performing Line Sight Analysis, Performing Viewshed Analysis ArcGIS Pro, Python ArcGIS Pro, Geodatabase Domains/Subtypes ArcGIS

### 19. RELEVANT PROJECTS

<b>a.</b>	(1) TITLE AND LOCATION (City and State) City and County of Honolulu NPDES MS4 Monitoring (Honolulu, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Responsible for the development of supporting graphics. • <b>Size:</b> N/A • <b>Cost:</b> \$462K (2022) • <b>Role:</b> Lead GIS Analyst		
<b>b.</b>	(1) TITLE AND LOCATION (City and State) Environmental Impact Statement for Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility Dry Dock and Waterfront Production Facility at JBPHH (Oahu, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> Responsible for data collection and data analysis. Compiled marine biological data from multiple JV projects and created a comprehensive dataset. Identified and analyzed sensitive species. • <b>Size:</b> N/A • <b>Cost:</b> \$2.4M • <b>Role:</b> Lead GIS Analyst		
<b>c.</b>	(1) TITLE AND LOCATION (City and State) Environmental Assessment for the Home Basing of the MQ-9A Unmanned Air System and KC-130J Aerial Transport Refueling Aircraft at MCAS Kaneohe Bay Marine Corps Base HI (Oahu, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> <b>Scope:</b> responsible for analysis and creation of National Environmental Policy Act (NEPA) quality figures. Assisted in development of alternatives incorporating sensitive resources including biological resources, cultural resources, and water resources. Calculated acreages for project impacts and new impervious surfaces. Managed data within Controlled Unclassified Information (CUI) environment for security purposes. Assembled final GIS data deliverable in the GEOFidelis 4.0.5 format. • <b>Size:</b> N/A • <b>Cost:</b> \$551K • <b>Role:</b> Lead GIS Analyst		

# County of Hawai'i

<p>(1) TITLE AND LOCATION (<i>City and State</i>)  <b>Regional Data Book Web Tool Support, Maintenance and Update (Kamehameha Schools, HI)</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES</td> <td style="width: 50%;">CONSTRUCTION (<i>If applicable</i>)</td> </tr> <tr> <td style="text-align: center;">2023</td> <td style="text-align: center;">N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If applicable</i> )	2023	N/A
PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If applicable</i> )					
2023	N/A					
<p>d. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p><input checked="" type="checkbox"/> Check if project performed with current firm</p> <p><b>Scope:</b> Updating previous contract (2017) to replace the data within the Stantec GS-developed web tool with the latest information. Delegated tasks to team members, led weekly meetings with the client, and tracked budget and hours billed. As a Data Analyst, contributed to researching over 50 different data points related to socioeconomic, education, landownership, Native Hawaiian demographic, and client-specific data across the State of Hawai'i. Responsible for data formatting, JSON configuration file creation, and JSON testing before delivering the files to the client. As the GIS Lead, researched or created datasets related to socioeconomic, education, landownership, etc. data points, published the data to ArcGIS Online, developed JSON configuration files integrating the ArcGIS Online maps for use within the web tool. In addition, created several ArcGIS Online Web Apps, Operation Dashboards, and Story Maps related to Legislative Districts, COVID-19 (coronavirus), and Cultural Resources. • <b>Size:</b> N/A • <b>Cost:</b> \$462K • <b>Role:</b> Deputy Project Manager/GIS Specialist</p>						
<p>(1) TITLE AND LOCATION (<i>City and State</i>)  <b>Biological and Benthic Habitat Survey in Support of SIOB and INRMP for Pearl Harbor, HI</b></p>	<p>(2) YEAR COMPLETED</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES</td> <td style="width: 50%;">CONSTRUCTION (<i>If applicable</i>)</td> </tr> <tr> <td style="text-align: center;">2023</td> <td style="text-align: center;">N/A</td> </tr> </table>		PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If applicable</i> )	2023	N/A
PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If applicable</i> )					
2023	N/A					
<p>e. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE</p> <p><input checked="" type="checkbox"/> Check if project performed with current firm</p> <p><b>Scope:</b> Responsible for data, management, analysis, and creation of figures for marine resources survey. Coordinated regularly with field teams, project management, and clients to keep the multiple reports on a timely schedule. Converted field data into GIS feature classes and attached field photos in a related table. Maintained and organized hundreds of collected data points for 14 study areas. Constantly managed and updated an ArcGIS Online Web Map viewer for Navy clients to view biological data as points, polygons, and photos as it was collected and processed throughout the multi-year period. • <b>Size:</b> N/A • <b>Cost:</b> \$2.1M • <b>Role:</b> Lead GIS Analyst</p>						

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME  Jessica Hawkins	13. ROLE IN THIS CONTRACT  Biologist	14. YEARS EXPERIENCE	
		a. TOTAL  20	b. WITH CURRENT FIRM  2

15. FIRM NAME AND LOCATION (City and State)  
 Stantec GS Inc. (Honolulu, HI)  
*Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.*

16. EDUCATION (Degree and Specialization) BA, Environmental Science BS, Biology	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) United States Forest Service (USFS), Department of Agriculture (DOA), Interagency Aviation Training Certification for Crewmember
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Ms. Hawkins has contributed to the field of conservation and natural resource management in the state of Hawaii for almost 20 years. She began her career during college as a Water Quality Supervisor for He'eia State Park in Kaneohe, Hawai'i. Duties included water quality monitoring field efforts, lab analysis, data entry, supervising field team, and report writing. After college she served as an assistant Education/Outreach Assistant for the Department of Land and Natural Resources (DLNR), Division of Forestry and Wildlife in Honolulu, Hawai'i. Duties included organizing and running public outreach booths; restoration of native garden at DLNR Kalanimoku building; videography; and distribution and production of education/outreach materials. Ms. Hawkins served the majority of her conservation and natural resource management career at O'ahu Army Natural Resources Program at Schofield, Hawai'i in several positions. Tasks included invasive species management and eradication; intense field work in remote locations; forest bird monitoring and banding; invertebrate monitoring and relocation; T&E species management (including plant monitoring, fruit collection, reintroduction); plant identification; and greenhouse and seed lab duties. Her most recent position was as a Natural Resource Wildlife Technician and Supervisor with the Natural Resources Program of the Naval Facilities Engineering Systems Command in Pearl Harbor, Hawai'i. Tasks included supervising field team; conducting and coordinating fishing compliance surveys; invasive species management and removal; T&E species management (including monitoring [and nesting] waterbirds, shorebirds, MBTA species, green sea turtles); administrative duties (including scheduling, purchasing, trainings, safety compliance and protocols); report writing, and presentation of data.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
	Water Quality Monitoring and BMP Inspections for Agribusiness Development Corporation (Mānā Plains, Kaua'i, HI)	2024	N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Supporting water quality and sediment monitoring and best management practices (BMP) inspections for the Agribusiness Development Corporation (ADC) owned lands on the Mānā Plains near Kekaha, Kaua'i. The water quality and sediment monitoring were in response to litigation brought against the state of Hawai'i for violations of the Clean Water Act. Samples sites were selected throughout the watershed to help assess the complete dynamics of the system; many were in remote locations. Duties include assisting with water quality monitoring, processing, and distribution. <b>Role:</b> Biologist.		
	Ke Ala Kahawai O Waimea (Waimea, HI)	2023	N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Principal Investigator for HRS Chapter 6E-8 AIS and NHPA Section 106 archaeological survey.* Coordinated cultural resource management requirements for HRS Chapter 343 (HEPA) CATEX prepared by Stantec. <b>Role:</b> Biologist.		
	Stormwater Monitoring and MS4 NPDES Permit Related Services for the City and County of Honolulu, Honolulu, HI	Ongoing	N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Duties include collection of first-flush storm water samples (according to 40 CFR 136 and EPA guidelines), collection of water quality parameters at various sites around O'ahu, and distribution of water samples. Responsibilities also include maintenance of remote water quality and atmospheric monitoring stations and support of telemetered monitoring stations parameters at various sites around O'ahu. <b>Role:</b> Biologist		

# County of Hawai'i

<b>d.</b>	<small>(1) TITLE AND LOCATION (City and State)</small>	<small>(2) YEAR COMPLETED</small>	
	Environmental Impact Statement (EIS) for Pacific Missile Range Facility (PMRF) Succeeding Leases and Easements	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
	<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small>	<input checked="" type="checkbox"/>	<small>Check if project performed with current firm</small>
	Field responsibilities as a subject matter expert (SME) include terrestrial biological surveys on PMRF and KPGO lands, ESA-listed and MBTA-listed species identification, plant identification, geospatial data collection, and data cataloguing. <b>Role:</b> Biologist		
<b>e.</b>	<small>(1) TITLE AND LOCATION (City and State)</small>	<small>(2) YEAR COMPLETED</small>	
	Integrated Natural Resources Management Plan/Updates (Joint Base Pearl Harbor Hickam, HI)	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>N/A</b>
	<small>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</small>	<input checked="" type="checkbox"/>	<small>Check if project performed with current firm</small>
	The Joint Base Pearl Harbor-Hickam (JBPHH) Integrated Natural Resources Management Plan (INRMP) includes Navy and Navy-leased land on O'ahu. Duties include contribution and technical review to JBPHH INRMP Land Cover/Land Use Development GIS White Paper, response to comments, updates, and overall review of JBPPHH INRMP. <b>Role:</b> Biologist		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME  Angelica Demers	13. ROLE IN THIS CONTRACT  Biologist	14. YEARS EXPERIENCE	
		a. TOTAL  9	b. WITH CURRENT FIRM  1

15. FIRM NAME AND LOCATION (City and State) Stantec GS Inc. (Honolulu, HI) <i>Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.</i>
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16. EDUCATION (Degree and Specialization) BS, Natural Resource Management AS, Aquarium Science	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) AAUS Scientific Diver, Open Water, Advanced, Nitrox, and Rescue SCUBA diver certified
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Miss Demers has a professional focus on the National Environmental Policy Act (NEPA) environmental reviews and planning projects for the Navy, Marine Corps, Air Force, National Guard Bureau, state, municipal, and private sector clients. Responsibilities for NEPA reviews include authoring and analysis of Environmental Impact Statements (EIS) and Environmental Assessments (EA) for military actions throughout the Pacific.

She has extensive experience working with Pacific marine species and has been involved in Pacific coral growth, removal, translocation, and monitoring for large scale coral mitigation projects in Hawaiian waters. She has extensive husbandry experience growing corals in an ex-situ environment and is proficient in coral disease diagnosis and disease management. She has in-situ experience identifying Pacific coral, fish and invertebrate species and has been involved in artificial reef monitoring programs. Miss Demers has experience consulting with state, federal and local government bodies such as the U.S. Coral Reef Taskforce to assist in the execution of various coral mitigation projects in Hawai'i.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Stormwater Monitoring and MS4 NPDES Permit Related Services for the City and County of Honolulu (Honolulu, HI)	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Providing support of Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination system (NPDES) permit required monitoring and reporting for the City and County of Honolulu, Storm Water Branch. The project continually implements storm water sampling procedures pursuant to the NPDES permit requirements and manages data for all associated industrial facilities. Duties included maintenance of remote water quality and atmospheric monitoring stations and collecting first-flush storm water samples according to 40 CFR 136 and EPA guidelines. Support includes monthly calibration of telemetered monitoring stations and assisting in monitoring station maintenance as needed. <b>Role:</b> Biologist		
b.	Water Quality Monitoring and BMP Inspections for Agribusiness Development Corporation (Mana Plains, HI)	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Supporting project management and execution of water quality and sediment monitoring and best management practices (BMP) inspections for the Agribusiness Development Corporation (ADC) owned lands on the Mana Plains near Kekaha, Kaua'i. The water quality and sediment monitoring were in response to litigation brought against the state for violations of the Clean Water Act. Sample sites were selected throughout the watershed to help assess the complete dynamics of the systems; many were in remote locations. The project team also presented quarterly monitoring and inspection reports to the state and the public and provided recommendations for improvements in the watershed to improve water quality. Toxicity analysis was also conducted on local species of interest as part of this project. Responsibilities include water sampling, data collection, and report writing. <b>Role:</b> Biologist		
c.	Environmental Impact Statement for Pacific Missile Range Facility (PMRF) Succeeding Leases and Easements (Mana Plains, HI)	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Supporting management of the NEPA EIS process for the United States Department of the Navy to retain the use of approximately 16,028 acres of state land on Kaua'i in support of continued on-going military testing and training at the Navy Pacific Missile Range Facility. Responsibilities included technical writing support for NEPA EIS documents. <b>Role:</b> Biologist		

# County of Hawai'i

	(1) TITLE AND LOCATION ( <i>City and State</i> ) Integrated Natural Resources Management Plan Updates (Joint Region Marianas, Guam and CNMI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION ( <i>If applicable</i> ) N/A
d.	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Supporting project team by providing technical writing expertise and data management in the revision of the 2023 Joint Region Marianas (JRM) Integrated Natural Resources Management Plan (INRMP) to chart a course for natural resources management on JRM lands. The JRM INRMP includes Navy lands on Guam and leased lands in the CNMI on Tinian and Farallon de Medinilla. The INRMP was prepared in accordance with the Sikes Act as amended through 2023, Department of Defense Instruction 4715.03, and OPNAVINST 5090.1D. The updated JRM INRMP was fully compliant with the proposed ESA species up listings, recent NMFS listing and from consultations with USFWS for new actions (JGPO SEIS, CJMT EIS, MITT EIS, Task Force Talon EA) objectives under JRM jurisdiction. Many actions and management strategies were revised including significant updates to GIS maps and database resources. <b>Role:</b> Biologist		
	(1) TITLE AND LOCATION ( <i>City and State</i> ) Integrated Natural Resources Management Plan Updates (Joint Base Pearl Harbor-Hickam, Honolulu, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION ( <i>If applicable</i> ) N/A
e.	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Supporting project team by providing technical writing expertise and data management in the revision of the 2023 Joint Base Pearl Harbor Hickam (JBPHH) Integrated Natural Resources Management Plan (INRMP) to chart a course for natural resources management on JBPHH lands. The JBPHH INRMP includes Navy lands on Oahu, Hawaii. The INRMP was prepared in accordance with the Sikes Act as amended through 2023, Department of Defense Instruction 4715.03, and OPNAVINST 5090.1D. The updated JBPHH INRMP was fully compliant with the proposed ESA species up listings, recent NMFS listing and from consultations with USFWS for new actions (JGPO SEIS, CJMT EIS, MITT EIS, Task Force Talon EA) objectives under JBPHH jurisdiction. Many actions and management strategies were revised including significant updates to GIS maps and database resources. <b>Role:</b> Biologist		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME <b>Christine Chaplin, GISP</b>	13. ROLE IN THIS CONTRACT <b>GIS Specialist</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>18</b>	b. WITH CURRENT FIRM <b>2</b>
15. FIRM NAME AND LOCATION ( <i>City and State</i> ) <b>Stantec GS Inc. (Honolulu, HI)</b> <i>Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.</i>			
16. EDUCATION (Degree and Specialization) <b>BS, Natural Resources &amp; Environmental Management</b>		17. CURRENT PROFESSIONAL REGISTRATION ( <i>State and Discipline</i> ) <b>Geographic Information Systems Professional (GISP)</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Publications, Organizations, Training, Awards, etc.</i> ) <b>Miss Chaplin is recognized for her ability to leverage GIS technology to analyze, interpret, and visualize complex spatial data, lead GIS projects, collaborate with interdisciplinary teams, and effectively communicate technical information to both technical and non-technical stakeholders. She is committed to staying current with emerging trends in GIS technology and applying innovative solutions to address spatial challenges.</b>			

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If applicable</i> )
<b>a.</b>	Engineering and Environmental Support Aunu'u, Hilo, and Laupāhoehoe Harbors (American Samoa, Northeast Hawai'i Island, and East Hawai'i Island)	Ongoing	N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Responsible for geospatial analysis and mapping tasks. Participated in the development of project plans, timelines, and milestones, ensuring alignment with GIS requirements. Led the collection, validation, and integration of geospatial data relevant to the Aunu'u, Hilo, and Laupāhoehoe Harbors. Worked with surveyors, environmental scientists, and engineers to ensure accurate and comprehensive GIS datasets. Conducted spatial analyses to support engineering and environmental assessments for harbor improvement projects. Developed GIS models to assess the impact of proposed changes and enhancements to harbor infrastructure. Produced high-quality maps and visualizations to communicate complex geospatial information to project stakeholders. Created thematic maps illustrating environmental factors, engineering designs, and relevant spatial data. <b>Role:</b> GIS Specialist.		
<b>b.</b>	Environmental Assessment for the Home Basing of the MQ-9 Marine Unmanned Aerial Vehicle Squadron and KC-130J Marine Aerial Refueler Transport Squadron, MCB Hawai'i (Kaneohe Bay, Oahu, HI)	2023	N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Supporting project management and execution of water quality and sediment monitoring and best management practices (BMP) inspections for the Agribusiness Development Corporation (ADC) owned lands on the Mana Plains near Kekaha, Kaua'i. The water quality and sediment monitoring were in response to litigation brought against the state for violations of the Clean Water Act. Sample sites were selected throughout the watershed to help assess the complete dynamics of the systems; many were in remote locations. The project team also presented quarterly monitoring and inspection reports to the state and the public and provided recommendations for improvements in the watershed to improve water quality. Toxicity analysis was also conducted on local species of interest as part of this project. Responsibilities include water sampling, data collection, and report writing. <b>Role:</b> GIS Specialist.		
<b>c.</b>	Environmental Impact Statement for Pacific Missile Range Facility (PMRF) Succeeding Leases and Easements	Ongoing	N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> GIS team member for project to prepare the Description of Proposed Action (DOPAA) for the real estate effort at PMRF and NASA's Kokee Park Geophysical Observatory. Christine is the GIS lead for this project collecting and compiling necessary geospatial data into report maps to describe the historical and current land use and status for PMRF; including coordinating with biologists and managing the data collected using Field Maps on handheld GPS units during wetland, vegetation, and wildlife surveys. Leveraged the use of ArcGIS Online Instant App builder to show all relevant project areas and data collected for internal use. Utilizing ArcMap 10.x according to the scope of work to compile and analyze data for map production. Data collected using Navy IGI&S Data Collection Guidance (DCG) standards and specifications for vector GIS deliverables and will be delivered in the Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE) Navy Data Model (NDM) schema. <b>Role:</b> GIS Specialist.		

# County of Hawai'i

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
d.	Environmental Assessment (EA) for Ground-Based Forces Modernization at MCB Hawaii (MCBH), NAVFAC Pacific (Kāne'ohe Bay, O'ahu, HI)	2023	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Supporting project team by providing technical writing expertise and data management in the revision of the 2023 Joint Region Marianas (JRM) Integrated Natural Resources Management Plan (INRMP) to chart a course for natural resources management on JRM lands. The JRM INRMP includes Navy lands on Guam and leased lands in the CNMI on Tinian and Farallon de Medinilla. The INRMP was prepared in accordance with the Sikes Act as amended through 2023, Department of Defense Instruction 4715.03, and OPNAVINST 5090.1D. The updated JRM INRMP was fully compliant with the proposed ESA species up listings, recent NMFS listing and from consultations with USFWS for new actions (JGPO SEIS, CJMT EIS, MITT EIS, Task Force Talon EA) objectives under JRM jurisdiction. Many actions and management strategies were revised including significant updates to GIS maps and database resources. <b>Role:</b> GIS Specialist.		
e.	Stormwater Monitoring and MS4 NPDES Permit Related Services for the City and County of Honolulu (Honolulu, HI)	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> Check if project performed with current firm</span> Leveraged ArcGIS Survey123 to build surveys to automate the field crew's workflow where they would typically write rain gauge calibration information onto a paper form. Now when they calibrate and inspect rain gauges, they can simply enter the information into the Survey123 form on their phones, the information automatically syncs back to ArcGIS Online when connected to Wi-Fi. <b>Role:</b> GIS Specialist.		

# County of Hawai'i

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME  Benjamin Barna, PhD, RPA	13. ROLE IN THIS CONTRACT  Senior Archaeologist	14. YEARS EXPERIENCE	
		a. TOTAL  20	b. WITH CURRENT FIRM  2
15. FIRM NAME AND LOCATION (City and State) Stantec GS Inc. (Honolulu, HI) <i>Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan.</i>			
16. EDUCATION (Degree and Specialization) PhD, Anthropology MA, Anthropology BA, Archaeology and United States History		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)  Register of Professional Archaeologists (RPA)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Dr. Barna is a Senior Archaeologist who has worked on over 250 projects in Hawai'i as a Principal Investigator and/or supervisor. His expertise includes National Historic Preservation Act (NHPA) Section 106 Compliance, Archaeological Assessments, Inventory Surveys, Reconnaissance Surveys, Field Inspections, Data Recovery, Preservation Planning, and Archaeological Monitoring. His professional duties require supervising and conducting fieldwork including, but not limited to, inventory surveys, excavation, site recordation, and construction monitoring; literature searches and historical research; artifact identification, analysis, and cataloguing; and technical report writing. Dr. Barna has over 18 years of professional archaeological experience and earned his PhD on research focused on the cultural evolution of Hawai'i's ranching community in the 19th and 20th centuries as expressed through the archaeology and history of ranching stations on Hawai'i Island. Dr. Barna formerly served as a Surface Warfare Officer in the U.S. Navy, and he is a past President of the Society for Hawaiian Archaeology.			

### 19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) NEPA Pre-Planning for Pacific Missile Range Facility (PMRF) Succeeding Leases and Easements (Kaua'i, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided senior review and coordination for integrating Hawaii Revised Statutes Chapter 343 (HEPA) cultural impact assessment requirements into NEPA environmental planning requirements. Provided review and comments on subcontractor archaeological survey plan. <b>Role:</b> Senior Archaeologist.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Ke Ala Kahawai O Waimea (Waimea, Hawai'i County, Hawaii)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal Investigator for HRS Chapter 6E-8 AIS and NHPA Section 106 archaeological survey. Coordinated cultural resource management requirements for HRS Chapter 343 (HEPA) CATEX prepared by Stantec. <b>Role:</b> Senior Archaeologist.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) EA for Ground-Based Forces Modernization at MCB Hawaii (Kāne'ohe Bay, Oahu, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Author of cultural resources section of NEPA EA. Senior review of subcontractor archaeological testing plan. Coordinated with client and subcontractor for review of SHPO. Client: Department of the Navy, Navy Facilities Engineering Command Pacific, HI. <b>Role:</b> Senior Archaeologist.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Environmental Assessment for Hale O Pi'ikea Affordable Housing Project (Kihei, Maui, HI)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided National Historic Preservation Act (NHPA) Section 106 support for County of Maui for this affordable housing project. Conducted on-site interview with consulting party on behalf of County of Maui. Project involved the preparation of a HUD NEPA environmental assessment (EA) for the construction of two phases of an affordable housing project utilizing funds from the Department of Housing and Urban Development. <b>Role:</b> Senior Archaeologist.	<input checked="" type="checkbox"/> Check if project performed with current firm	

# County of Hawai'i

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	Prepare Environmental Assessments, Supporting Environmental Studies, and Conservation District Use Application for the Ainako Development Project	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
e.	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Provided senior review of subcontractor during archaeological survey for compliance with Hawaii Revised Statutes Chapter 6E-8. Conducted Hawaii Revised Statutes Chapter 343 (HEPA) cultural impact assessment. Project involved the preparation of HEPA environmental assessment for an affordable housing project located in Hilo, Hawaii. <b>Role:</b> Senior Archaeologist.	<input checked="" type="checkbox"/>	Check if project performed with current firm

# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b>		20. EXAMPLE PROJECT KEY NUMBER
<i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.</i>		<b>1</b>
21. TITLE AND LOCATION ( <i>City and State</i> )	22. YEAR COMPLETED	
Hawai'i Green Growth (HGG) Ala Wai Watershed Collaboration (AWWC) (Honolulu, HI)	PROFESSIONAL SERVICES 2020	CONSTRUCTION ( <i>If applicable</i> ) N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER HGG	b. POINT OF CONTACT NAME Julius Lorenz-Fisher	c. POINT OF CONTACT TELEPHONE NUMBER 808-351-5947
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY ( <i>Include scope, size, and cost</i> )		

**The Stantec team oversaw two related projects for GIS support to the Ala Wai Watershed Collaborative.**

The AWWC convenes a network partner to advance a shared vision of prosperity and resilience for the Ala Wai watershed. Building on decades of watershed management and community efforts and inspired by the Polynesian Voyaging Society's Mālama Honua message in 2015, this network has grown to over 60 stakeholders from government, civil society, business, and academia who have converged as the AWWC to solve the challenges of this watershed together. HGG coordinates the AWWC.

KEY RELEVANCE
<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>GIS</li> <li>Data Analytics</li> </ul> <p><b>Size:</b> Ala Wai Watershed</p> <p><b>Cost:</b> \$9K</p> <p><b>Key Personnel:</b></p> <ul style="list-style-type: none"> <li>Sarah Troedson, Senior GIS Analyst</li> </ul>

Our GIS support included analytics and preparation of report and graphics to define water shed boundaries and overlay state and local political districts as well as land uses by type and ownership. Stantec determined the specific borders of the Ala Wai Watershed District using existing databases and information sources.

1. Ala Wai Watershed District Analysis: Conduct an analysis to determine what proportion (% of area and properties) is owned by private/state/city/federal landowners, and what proportion (% of area and properties) is zoned in each of the different City Land Use Zones.
2. Analysis of Political Districts as they Overlap with the Ala Wai Watershed District:
  - a. What proportion (% of area and properties) of the political district would be within the Ala Wai Watershed District?
  - b. What proportion (% of area and properties) of the Ala Wai Watershed District falls within each political district?
  - c. For the area that is both within the boundaries of each political district and the Ala Wai Watershed District, what proportion (% of area and properties) is owned by private/state/city/federal landowners, and what proportion (% of area and properties) is zoned in each of the different City Land Use Zones? Key subcategories of landowners such as UH and DOE within the state and BWS and DPR within the City should be broken out separately as appropriate.
3. Prepared communications materials and assist HGG and the AWWC in joint briefings, meetings, and presentations, as needed.

Stantec also prepared a story map to document community group projects throughout the watershed at present and in recent years. This provided visual documentation of the community groups efforts over the past three years and provided quantitative information for HGG to document the effectiveness of the program: miles of streams cleaned, planted with native species, and invasive species removed, as well as number of volunteers involved.

25. FIRMS INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Stantec Consulting Services Inc.	(2) FIRM LOCATION ( <i>City and State</i> ) Honolulu, HI	(3) ROLE Prime Consultant

# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <span style="font-size: 24pt; font-weight: bold;">2</span>
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21. TITLE AND LOCATION <i>(City and State)</i>  Kaloko Affordable Housing Project HRS 343 and HUD NEPA, Environmental Assessments (Kaloko, HI)	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2018</td> <td style="width: 50%; text-align: center;">CONSTRUCTION <i>(If applicable)</i> N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> N/A
PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> N/A		

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Hawai'i Island Community Development Corporation	b. POINT OF CONTACT NAME Jeremy McComber	c. POINT OF CONTACT TELEPHONE NUMBER 808-319-2428
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY *(Include scope, size, and cost)*

**Stantec is coordinating with the applicant (Hawai'i Island Community Development Corporation) and the approving agency (Office of Housing and Community Development) to write the Environmental Assessments (EAs).**

The first EA has been prepared in accordance with Chapter 343 of the Hawai'i Revised Statutes (HRS) and following approval of this EA, a federal EA will be prepared that will be compliant with the Department of Housing and Urban Development (HUD's) NEPA requirements. This will include working with the agency to identify issues, conducting early consultation before preparing the Draft EA, pre comments, and preparing the Final EA.

KEY RELEVANCE
<b>Scope:</b> <ul style="list-style-type: none"> <li>Environmental Assessments</li> </ul> <b>Size:</b> Hawai'i Island <b>Cost:</b> \$145K <b>Key Personnel:</b> <ul style="list-style-type: none"> <li>Michele Lefebvre, PhD., Project Manager</li> <li>Benjamin Berridge, AICP, PMP, Program Manager</li> </ul>

The project would construct approximately 111 two- and three-bedroom units. A centrally located community center would provide onsite property management space, a kitchen, private meeting rooms, communal gathering space, mailboxes, and laundry facilities. The site would be landscaped, with common gathering, circulation and play areas, and would be graded and constructed to meet the applicable accessibility and adaptability requirements. The project proposes to tie in with the County of Hawai'i's Kealakehe's Wastewater Treatment Plant. However, depending on timing of the agreement with the County on the sewer tie-in, a portion of the parcel may also be used for a self-contained wastewater treatment plant for wastewater generated onsite. If required, the project would use the on-site wastewater treatment plant until completion of a proposed sewer line, and the project's wastewater treatment could transition to tying in to the County of Hawai'i's Kealakehe's Treatment Plant.

Stantec collected the traffic data and coordinated the preparation and completion of the Traffic Impact Assessment Report for the project. Stantec coordinated the biological survey with a local biological subconsultant and the assessment of cultural impacts from the project with a local cultural resource firm.

25. FIRMS INVOLVED WITH THIS PROJECT

<b>a.</b>	(1) FIRM NAME Stantec Consulting Services Inc.	(2) FIRM LOCATION <i>(City and State)</i> Honolulu, HI	(3) ROLE Prime Consultant
<b>b.</b>	(1) FIRM NAME Stantec GS Inc. (formerly Cardno GS, Inc.)	(2) FIRM LOCATION <i>(City and State)</i> Honolulu, HI	(3) ROLE Prime Consultant

# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <span style="font-size: 24pt; font-weight: bold;">3</span>
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21. TITLE AND LOCATION ( <i>City and State</i> )  City and County of Honolulu NPDES MS4 Monitoring (Honolulu, HI)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION ( <i>If applicable</i> ) N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City and County of Honolulu Prime: Kennedy Jenks Consultants	b. POINT OF CONTACT NAME Jon Honda	c. POINT OF CONTACT TELEPHONE NUMBER 808-488-0477
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY (*Include scope, size, and cost*)

**For over 15 years, Stantec GS has provided stormwater monitoring and reporting services for the City and County of Honolulu.**

Stantec has performed stormwater samples at 75 industrial facilities throughout the island of Oahu in compliance with the City and County of Honolulu's Municipal Separate Stormwater Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) permit. The effort has included investigation, planning, and installation of remote water quality and atmospheric monitoring stations to collect first-flush stormwater samples according to 40 CFR 136 and EPA guidelines.

Stantec designed telemetered monitoring stations that incorporate data logged by automated sampling equipment and water quality sensors, area-velocity sensors, and pressure transducers, providing records of flow and site conditions and tracking/archiving weather. Stantec provides quality assurance and quality control (QA/QC) oversight, coordinates 24/7 on-call teams for grab/composite sample collection, maintains rainfall-runoff curves, monitors automated sampling equipment, and prepares monthly status reports.

The NPDES permit required first flush samples from the permitted facilities. Stantec faced challenges monitoring a large number of City facilities in order to capture the "first flush" of significant storm events. This required staff to monitor a large number of facilities across the island during short storm event periods. To overcome the challenges Stantec faced state of the art telemetered monitoring stations were equipped with discrete alarming systems based on site and atmospheric conditions. The alarms and the quick-moving sampling teams were able to effectively monitor several facilities during large events. In addition, a priority-based weight risk scoring system was established with State of Hawai'i Department of Health (HDOH) to determine the facilities that have the potential to have the highest impact to water quality and prioritize these facilities. The strategies allowed for a cost-effective solution to the challenges the NPDES permit requirements presented.

**Scope:**

- NPDES MS4 permit storm water monitoring and reporting

**Size:** N/A

**Cost:** \$462K (2022)

**Key Personnel:**

- Peer Amble, Project Director
- Ben Berridge, AICP, PMP, Project Manager
- Bert Weeks, Biologist
- Hannah Hubanks, QA/QC Director

25. FIRMS INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stantec GS Inc. (formerly Cardno GS, Inc.)	(2) FIRM LOCATION ( <i>City and State</i> ) Honolulu, HI; Santa Barbara, CA	(3) ROLE Key Subcontractor
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# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <span style="font-size: 24pt; font-weight: bold;">4</span>
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21. TITLE AND LOCATION ( <i>City and State</i> )  Environmental Monitoring Services for Geothermal Energy Conversion Plant, Puna Geothermal Venture (Pāhoā, Hawai'i Island, HI)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION ( <i>If applicable</i> ) N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Ormat Technologies, Inc. for Puna Geothermal Venture (PGV)	b. POINT OF CONTACT NAME Ron Quesada	c. POINT OF CONTACT TELEPHONE NUMBER 808-965-2848
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY (*Include scope, size, and cost*)

For over a decade, Stantec GS has provided environmental monitoring services to include compliance monitoring and community outreach to Puna Geothermal Venture, in Pāhoā, Hawai'i. Compliance monitoring services include meteorology, noise, air quality, and groundwater monitoring as required by Geothermal Resource, Underground Injection Control, and Noncovered Source Permits from the State of Hawai'i Department of Health (DOH). Stantec GS manages data collection (EDAS), conducts QA/QC process for daily air quality reports, and authors semi-annual hydrological monitoring reports and monthly noise, meteorological, and air quality monitoring reports. Field activities include semi-annual groundwater sampling and calibration of meteorological monitoring equipment.

The goal of PGV's environmental monitoring program is to demonstrate PGV is in compliance with permits and is also a responsible corporate partner in the community. PGV's needs go beyond what is typically associated with compliance monitoring. Services provided through go beyond 24/7 operation and maintenance support services to include providing customized services to improve the air monitoring network, such as developing the databases that link to the monitoring stations meteorological and H2S equipment as well as the air monitoring alarm system. The Stantec GS alarm system, which was developed to alert plant operators of any fugitive H2S release, has been proven to be a valuable and reliable system that affords PGV the ability to take immediate action to mitigate potential health hazards should a release occur. Community awareness and public outreach are of prime importance to PGV, and, as such, PGV relies on Stantec GS to provide knowledgeable support based on its well-rounded understanding of PGV's operations and the community in which it operates. In addition to environmental monitoring services, Stantec GS provides community engagement support, including supporting PGV at community outreach meetings.

**Scope:**

- Environmental monitoring
- Compliance monitoring
- Community outreach

**Size:** N/A  
**Cost:** \$2.4M (total)  
**Key Personnel:**

- Michele Lefebvre, PhD., Project Manager/ Biologist
- Benjamin Berridge, AICP, PMP, Program Manager/Environmental Planner
- Hannah Hubanks, Environmental Scientist
- Angel Demers, Biologist

Stantec GS recognized the need to maintain continuous communication of the data to the website. Each station was assigned a static IP address and taken off the unreliable dial-up connection. AT&T wireless communication systems were also used as a backup at each station.

25. FIRMS INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stantec GS Inc. (formerly Cardno GS, Inc.)	(2) FIRM LOCATION ( <i>City and State</i> ) Honolulu, HI Santa Barbara, CA	(3) ROLE Subcontractor
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# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <span style="font-size: 24pt; font-weight: bold;">5</span>		
21. TITLE AND LOCATION ( <i>City and State</i> ) Alternative Energy Planning Studies and Resiliency Roadmap, Pacific Missile Range Facility (Kauai, HI)	22. YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">PROFESSIONAL SERVICES 2021</td> <td style="width: 50%; text-align: center;">CONSTRUCTION (<i>If applicable</i>) N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2021	CONSTRUCTION ( <i>If applicable</i> ) N/A
PROFESSIONAL SERVICES 2021	CONSTRUCTION ( <i>If applicable</i> ) N/A		

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
NAVFAC Pacific	Erith M. Evans	808-474-9778

**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY** (*Include scope, size, and cost*)

Under a Joint Venture, Stantec GS developed a suite of engineering reports, special planning studies, and pre-NEPA environmental assessments in support of current and future resiliency requirements at PMRF Barking Sands in Kauai, Hawai'i. The studies centered around development of the PMRF Installation Energy Roadmap, a comprehensive energy planning effort that addressed current and potential future mission needs, planned PMRF infrastructure projects, and efforts necessary to enhance mission assurance through energy resiliency, operational efficiency, leveraging innovative technology, improved partnerships and strengthening infrastructure.

**SCOPE OF WORK**

The Installation Energy Roadmap is a structured and effective approach to selecting, prioritizing, sequencing, and implementing energy projects and programs that will result in stronger long-term installation energy and resiliency posture. The Energy Roadmap laid out the viability and sustainability of various alternative energy and energy resiliency solutions. The plan ensures available and reliable utilities, including on-site electricity generation, for the installation's critical missions and defines energy requirements to maintain mission capabilities during outage events.

The team determined the mission energy requirements, assessed resiliency gaps, and developed engineering scenarios to address the gaps. Top priority projects included combined solar photovoltaic and battery energy storage systems, and power and communication line connection/undergrounding projects at various sites on the installation. These projects were selected for further technical and financial analysis, including the creation of a cost benefit analysis tool.

To support the Energy Roadmap and PMRF's current and future resilience requirements, the team prepared numerous planning/infrastructure studies. These studies included: a Waste to Energy Facility Assessment, Resiliency Requirements Assessment, Waste Stream Analysis, Site Alternatives Assessment, Traffic Study, Soundscape Study, Glare Study, Life Cycle Cost Study, development of Alternative Energy Cost Benefit Tool, and a PMRF Installation Energy Program Summary. Two other related studies were developed and are summarized below.

The team prepared a Sea Level Rise Vulnerability Study, which assessed the vulnerability of PMRF to permanent inundation and temporary flooding from sea level rise and storm surges using selected projections for the years 2035 and 2065 and customized GIS data modeling.

- Developed site-specific sea level rise mapping using two different time horizons, vulnerability and risk assessment, and the development of high-level adaptation strategies to address the vulnerabilities/resilience gaps.
- Identified key vulnerabilities to critical structures and facilities.

**Scope:**

- Coastal Consistency Determinations under CZMA
- ESA Section 7 Consultations, Biological Surveys, and Biological Assessments
- Noise analysis (in-air and underwater)
- Natural Resources Surveys
- Wetland delineation and mitigation plans (wetland, near shore)
- NHPA Consultation/Cultural Resource Surveys (Architectural/Archaeological)
- Storm Water Management Studies
- Public Involvement Strategies/Planning/Implementation
- Total Ownership Cost (TOC)/Life cycle cost analysis
- Geospatial analysis/map generation
- Alternative energy feasibility studies
- Sediment characterization studies
- Hydrology/Erosion studies
- Utility capability assessments/ feasibility studies (electric, gas, sewer, water)
- Traffic Studies/Transportation analysis/Roadway designs

**Size** N/A

**Cost:** \$2.1M

**Key Personnel:**

- Peer Amble, Project Director
- Ben Berridge, AICP, PMP, Hawai'i Office Manager
- Boyd Dixon, RPA, Archaeologist

# County of Hawai'i

- Developed potential concept-level adaptation strategies to be translated into projects to address resiliency requirements.
- Organized and ran two stakeholder meetings with adjacent landowners, municipalities, and state agencies to share information about the project and to learn about other similar efforts with the aim of future collaboration.
- Developed a funding matrix for sources applicable to the Navy, local municipalities, and other entities to seek funding for off-base strategies that would protect the base from future sea level rise impacts.

The team conducted pre-NEPA environmental studies for the priority projects, including in areas with federally protected threatened and endangered species and high cultural sensitivity. The project also addressed the level of permitting and NEPA compliance required to complete the implementation of the priority projects. Our team also prepared a consistency determination for all three alternative energy projects as part of the pre-NEPA analyses.

Additionally, the team prepared stakeholder materials, organized, and facilitated several workshops with local county and State agencies and other key entities (University of Hawai'i, Sea Grant Program, Kauai County Utilities Commission). These workshops were focused on information gathering, energy resiliency brainstorming, and briefings of PMRF energy strategies into the future. The outcome and success of these workshops was continued stakeholder trust, transparency, and involvement going forward.

## 25. FIRMS INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION ( <i>City and State</i> )	(3) ROLE
a.	Cardno GS – AECOM Pacific JV (predecessor JV to Stantec GS-AECOM Pacific JV)	Honolulu, HI; Solana Beach, Santa Barbara, CA; Charlottesville, VA	Prime Contractor

# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <h2 style="margin: 0;">6</h2>
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21. TITLE AND LOCATION ( <i>City and State</i> ) Environmental Impact Statement for Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility Dry Dock and Waterfront Production Facility at JBPHH (Oahu, HI)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023	CONSTRUCTION ( <i>If applicable</i> ) N/A

### 23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
NAVFAC Pacific	Andrea Von Burg Hall	808-472-1425

### 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY (*Include scope, size, and cost*)

As a prime partner in a JV, the Stantec GS team prepared an EIS and supporting documentation for the Navy's proposed graving dry dock and waterfront production facility at JBPHH. The proposed project would replace an existing dry dock with one of sufficient size to meet current and future requirements of fast-attack submarines. The modern waterfront production facility would reduce lost operational days by increasing collaboration and efficiency among the work force. Ongoing work includes completion of the State of Hawai'i DOH Water Quality Certification, Compensatory Mitigation Plan, and the USACE individual permit.

#### **SCOPE OF WORK**

The proposed project's construction-related actions would include dredging, fill, pile driving, installation of new temporary and permanent in-water structures, demolition of existing landside structures, and construction of new temporary and permanent landside facilities. The EIS evaluated impacts to five alternatives with various support facility options and 16 resources areas including dredging and filling within a Superfund remedial action area and demolishing existing historic structures. There were three cooperating agencies including USACE, USEPA, and NMFS.

**Consultation and Permitting.** Major complexities included an extremely aggressive schedule, incongruency in NEPA and project design stage, stringent permitting requirements, and application of a Compensatory Mitigation Plan. The JV supported highly complex permitting and mitigation planning activities under unusually fast-paced delivery schedules. The permitting documentation was developed to meet requirements under Section 404 and Section 10, as well as Section 401 of the Clean Water Act. Accompanying mitigation planning documentation developed by the JV includes a precedent setting Compensatory Mitigation Plan with analyses and mitigation measures to minimize impacts from dredging and filling to wetlands and open water habitat within Pearl Harbor.

The team supported the Navy in solidifying a Programmatic Agreement with the Hawai'i SHPO and the ACHP to ensure mission planning for facilities and operations are implemented in a manner that minimizes harm to Pearl Harbor National Historic Landmark. The JV also supported consultations under ESA and Magnuson-Stevens Fishery Conservation and Management Act through development of endangered species act and Essential Fish Habitat Assessment and associated documentation.

These consultation documents included analyses and mitigation measures to minimize impacts to biological and benthic species within Pearl Harbor.

#### **Scope:**

- Coastal Consistency Determinations under CZMA
- ESA Section 7 Consultations, Biological Surveys, and Biological Assessments
- Noise analysis (in-air and underwater)
- Natural Resources Surveys
- Wetland delineation and mitigation plans (wetland, near shore)
- NHPA Consultation/Cultural Resource Surveys (Architectural/Archaeological)
- Storm Water Management Studies
- Public Involvement Strategies/Planning/Implementation
- Total Ownership Cost (TOC)/Life cycle cost analysis
- Geospatial analysis/map generation
- Alternative energy feasibility studies
- Sediment characterization studies
- Hydrology/Erosion studies
- Utility capability assessments/ feasibility studies (electric, gas, sewer, water)
- Traffic Studies/Transportation analysis/Roadway designs

**Size:** 176,800 SF Dry Dock and Waterfront Production Facility; 2,800-acre area

**Cost:** \$7.1M

#### **Key Personnel:**

- Peer Amble, Project Director
- Ben Berridge, AICP PMP, Hawai'i Office Manager
- Boyd Dixon, RPA, Archaeologist

# County of Hawai'i

**Public Involvement Strategies.** With the onset of the COVID pandemic and inability to conduct in-person meetings, the JV used a 360-degree Virtual Stakeholder Engagement platform to foster and facilitate public engagement during the scoping and Draft EIS public comment periods. This technology allowed the public to visit the virtual space and to provide comments throughout the duration of these public engagement periods.

## 25. FIRMS INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION ( <i>City and State</i> )	(3) ROLE
a.	Cardno GS – AECOM Pacific JV (predecessor JV to Stantec GS-AECOM Pacific JV)	Honolulu, HI; Orange, San Diego, Santa Barbara, Solana Beach, CA; Charlottesville, Hampton, VA; Portland, OR	Prime Contractor
b.	Stantec Consulting Services Inc. (Parent firm)	Pasadena, CA	Permitting Support

# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <span style="font-size: 2em; font-weight: bold;">7</span>
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21. TITLE AND LOCATION ( <i>City and State</i> ) Environmental Assessment for the Home Basing of the MQ-9 Marine Unmanned Aerial Vehicle Squadron and KC-130J Marine Aerial Refueler Transport Squadron, MCB Hawai'i (Kaneohe Bay, Oahu, HI)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION ( <i>If applicable</i> ) N/A

### 23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
NAVFAC Pacific	John Bigay	808-472-1196

### 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY (*Include scope, size, and cost*)

This project evaluated the Marine Corps' basing of MQ-9 and KC-130 aircraft squadrons including analysis of 21 aircraft; 3,000 MQ-9 and 5,280 KC-130J operations; 676 additional personnel plus dependents at MCB Hawai'i Kaneohe Bay; and supporting infrastructure construction on four acres. The need for the proposed action is to extend the capability, versatility, and range of the Hawai'i-based Marine Corps and other forces in support of United States – Indonesia Society USINDOPACOM.

#### **SCOPE OF WORK**

The Stantec GS team evaluated seven resource areas: noise, air quality, water resources, cultural resources, biological resources, public health and safety, and transportation. The JV coordinated a successful "heavy-lifting up-front" strategy to confirm a reasonable range of alternatives based on well-defined criteria driven by a strong purpose and need. NEPA streamlining processes were applied by using a thorough rationale to dismiss certain resources from detailed analysis, narrowing the analysis to only relevant resource areas. This process bolstered regulatory analysis, legal sufficiency, and Quality Control at each stage of the project.

**National Historic Preservation Act.** Several of the facilities in the APE were historic, including historic landmarks and districts eligible for listing in the National Register of Historic Places, as well as archaeological districts. Consultations involved the State Historic Preservation Division (SHPD), Native Hawaiian Organizations, interested parties, and the public regarding a determination of adverse effects to historic properties resulting from the proposed action. SHPD concurred with the Marine Corps determination that the project would result in adverse effects to the NAS Kaneohe Historic Aviation District.

#### **ESA Section 7/Biological Assessment/Resource Surveys.** ESA

Section 7 consultation was required with the USFWS regarding impacts to Hawaiian waterbirds, Hawaiian seabirds, and green sea turtles via a Biological Assessment. The Marine Corps determined the proposed action "may affect but is not likely to adversely affect ESA-listed species or has no effect on ESA-listed species." USFWS concurred with the Biological Assessment and commented that it was a well-prepared consultation document. MCB Hawai'i is currently using this Biological Assessment as the example consultation document for other projects involving federally threatened or endangered species.

**Coastal Consistency Determination.** The proposed action falls under the Marine Corps' CZMA de minimis activities list. The JV provided guidance and support for their consultation with the State of Hawai'i Office of Planning and Sustainable Development, Planning Division who concurred with the Marine Corps' determination that the action would not result in any reasonably foreseeable direct or indirect effects to uses or resources within the Hawai'i Coastal Zone.

#### **Scope:**

- Air Conformity analyses/modeling under CAA
- Coastal Consistency Determinations under CZMA
- ESA Section 7 Consultations, Biological Surveys, and Biological Assessments
- Noise impact studies/modeling in-air
- Natural Resources Surveys
- NHPA Consultation/Cultural Resource Surveys (Architectural/Archaeological)
- Public Involvement Strategies/Planning/Implementation
- Safety analyses (Accident Potential Zones, Clear Zones)
- Geospatial analysis/map generation
- Air/Water quality requirements
- Traffic analysis

**Size:** Two aircraft types/squadrons; 21 aircraft; 8,280 aircraft operations/year; 676 personnel plus families; 4 acres construction

**Cost:** \$878K

#### **Key Personnel:**

- Peer Amble, Project Director
- Ben Berridge, AICP, PMP, Hawai'i Office Manager
- Boyd Dixon, RPA, Archaeologist
- Stephanie Clarke, GIS Specialist

# County of Hawai'i

**Traffic Analysis.** A traffic analysis was conducted to assess effects resulting from construction, operation, and the cumulative effects of construction and additional personnel.

Air Quality Analyses. Led by air quality specialist Fang Yang, the JV modeled criteria pollutant emissions and GHG emissions from proposed construction activities and annual flight operations and engine maintenance.

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## 25. FIRMS INVOLVED WITH THIS PROJECT

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	(1) FIRM NAME	(2) FIRM LOCATION ( <i>City and State</i> )	(3) ROLE
a.	Cardno GS – AECOM Pacific JV (predecessor JV to Stantec GS-AECOM Pacific JV)	Honolulu, HI; Santa Barbara, Solana Beach, CA; Seattle, WA; Hampton, Charlottesville, VA	Prime Contractor

# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER  <b>8</b>
21. TITLE AND LOCATION ( <i>City and State</i> ) Engineering and Environmental Support Aunu'u, Hilo, and Laupāhoehoe Harbors (American Samoa, Northeast Hawaii Island, and East Hawaii Island)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION ( <i>If applicable</i> ) TBD
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER USACE Honolulu District	b. POINT OF CONTACT NAME Jessica Podoski	c. POINT OF CONTACT TELEPHONE NUMBER 808-883-5414
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY ( <i>Include scope, size, and cost</i> )		



Stantec GS Inc. supported USACE Honolulu District with surveys, design, and planning for repairs to three Harbors: Aunu'u Small Boat Harbor located in American Samoa, Laupāhoehoe Harbor located in Northeast Hawaii Island, and Hilo Harbor located in East Hawaii Island. The goal of this

work is to inform future maintenance and repair strategies for harbor infrastructure to meet future sea level rise conditions. The work included: topographic survey, hydrographic (multibeam) survey, biological survey, environmental coordination support, Biological Assessment, Essential Fish Habitat assessment, conservations recommendations, Clean Water Act compliance and Coastal Zone Management Act federal consistency review, basis of design document, contract plans and specifications, and construction cost estimates.

As these harbors are in remote areas and are essential pieces of infrastructure for local residents, ensuring their functionality under changing climate conditions is paramount for their continued and future use. Analysis of the harbor structures using multiple wave modeling simulations informed the effectiveness of designs for repairs and maintenance. With the incorporation of sea level rise projections, multiple scenarios of wave strength and water height are used to determine the harbors' climate vulnerability.

**Aunu'u Small Boat Harbor, American Samoa:** Federal navigation features at Aunu'u Small Boat Harbor consist of an entrance channel; turning basin; 240-foot long northern revetted mole; 200-foot-long wave absorber; 90-foot-long stub breakwater; 220-foot long southern revetted mole; and mooring area. Repairs to the wave absorber were last completed in November of 2013. The repair project scope includes vegetation removal, stone resetting/replacement, and removal of a sunken vessel within the channel limits that has been there for up to 15 years.

Stantec GS Inc. and Sea Engineering conducted a topographic survey, hydrographic (multibeam) survey, biological survey (option item), and environmental coordination support including Biological Assessment, Essential Fish Habitat Assessment, conservations recommendations, Clean Water Act compliance and Coastal Zone Management Act federal consistency review for the proposed project.

KEY RELEVANCE
<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>Required understanding of local planning and engineering requirements</li> <li>Benthic communities - topographic, hydrographic (multibeam), and biological surveys</li> <li>Biological Assessment</li> <li>Essential Fish Habitat</li> <li>Land and Infrastructure</li> <li>USACE planning principles as contained in 42 U.S. Code § 1962-3 – Water resources principles and guidelines and further detailed in Engineering Regulation (ER) 1105-2-100 in the development of Federal water resources projects</li> <li>Applying a systems approach and integrated water resources planning</li> </ul> <p><b>Size:</b> Varied  <b>Cost:</b> \$1.38M  <b>Key Personnel:</b></p> <ul style="list-style-type: none"> <li>Ben Berridge, AICP, PMP, Project Manager</li> <li>Bert Weeks – Marine Biologist</li> <li>Christine Chaplin, GISP – Sr. GIS Analyst</li> <li>Angelica Demers – Biologist</li> <li>Hannah Hubanks – Environmental Scientist / Health Safety Coordinator</li> </ul>

# County of Hawai'i



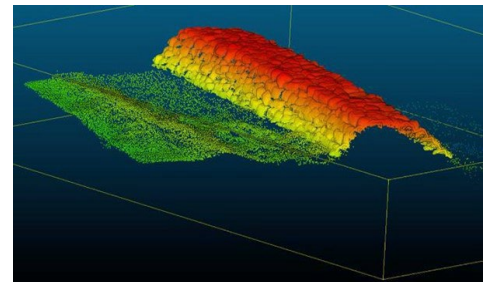
**Hilo Deep Draft Harbor, HI:** The original project at Hilo Harbor was completed in 1930 and consisted of a 10,062-foot-long breakwater protecting a 35-foot-deep basin. The Stantec GS Inc./Sea Engineering team conducted a multifaceted analysis to optimize future repair strategies from an economic investment standpoint, as well as to incorporate evaluation of risk of failure and reliability-based design under projected future forcing conditions. The project provided an in-depth analysis of the breakwater's performance and armor stone stability under present and future wave conditions and rising

sea levels, using high resolution three-dimensional computational fluid dynamics models. Ultra-near-field Computational Fluid Dynamics (CFD) models were generated using one of five Engineer Research and Development Center (ERDC) DoD Supercomputing Resource Centers (DSRCs) operated by the DoD High Performance Computing Modernization Program (HPCMP). The modeling results were used for the implementation of a reliability analysis, to assess past, present, and future performance and identify zones of potentially threatened stability of the breakwater. Hilo Harbor is one of only two commercial harbors serving the island of Hawai'i and is utilized by the U.S. Coast Guard, cruise ships, barging and shipping companies, as well as recreation. Damage to the breakwater could result in a significant disruption in harbor usage until repairs can be completed. This project gives the USACE guidance on locations of vulnerabilities so they can be prepared to perform repairs quickly to get the harbor functioning again following a damaging event. This novel technique was developed in response to the needs of this project and has potential for evaluating structure stability in other locations.

Deliverables included a Basis of Design document (including identification and prioritization of repair areas), Value Engineering Study on the Basis of Design Document, 100% design contract plans and specifications, construction cost estimates, biological survey, and environmental coordination support including Pac-SLOPES verification form, Biological Assessment, Essential Fish Habitat Assessment, conservations recommendations, Clean Water Act compliance and Coastal Zone Management Act federal consistency review. The team then provided conceptual alternatives for future repair design and developed Class 4 cost estimates.

**Laupāhoehoe Small Boat Harbor, HI:** Laupāhoehoe Harbor was constructed 1988, providing for a 204-foot-long breakwater constructed of dolosse, a cellular concrete rib cap and reinforced concrete piles; a 57-foot-long stone wave absorber; a 9.5-foot MLLW deep entrance channel; and a 7.5-foot MLLW deep turning basin.

The Stantec GS Inc./Sea Engineering team prepared Basis of Design document, 100% design contract plans and specifications, construction cost estimates, biological survey, and environmental coordination support including Biological Assessment, Essential Fish Habitat Assessment, conservations recommendations, Clean Water Act compliance, Coastal Zone Management Act federal consistency review, Pac-SLOPES verification, and Water Quality Monitoring Plan.



LiDAR topography and bathymetry

## 25. FIRMS INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION ( <i>City and State</i> )	(3) ROLE
a.	Stantec Consulting Services Inc.	Honolulu, HI Hilo, HI	Prime Contractor
b.	Stantec GS Inc. (formerly Cardno GS, Inc.)	Honolulu, HI Santa Barbara, CA	Prime Contractor

# County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <span style="font-size: 24pt; font-weight: bold;">9</span>
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21. TITLE AND LOCATION ( <i>City and State</i> )  100 Resilient Cities (100RC) Technical Support to Honolulu Assessment of Ala Wai Flood Mitigation Project (Honolulu, HI)	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION ( <i>If applicable</i> ) N/A

### 23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER City and County of Honolulu Office of Climate Change Sustainability & Resiliency	b. POINT OF CONTACT NAME Matthew Gonser	c. POINT OF CONTACT TELEPHONE NUMBER 808-748-2262
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**The City and County of Honolulu (CCH), State of Hawai'i, and the U.S. Army Corps of Engineers (USACE) Honolulu District are currently reviewing design features and negotiating terms of the partnership agreement with the State, County, and City of Honolulu for the construction of the Ala Wai Watershed Flood Mitigation Project.**

The primary objective of the proposed project is to reduce flood risk in Manoa, Palolo, Waikiki, and parts of Makiki and Moiliili neighborhoods. The estimated population at risk included approximately 65,000 residents and an additional 200,000 transient daily visitors. An estimated 3,000 structures are at flood risk to a one percent (a 100-year event) probable storm event, with potential damages exceeding \$1B. The project features include:

- Six debris/detention basins in upper reaches of Maikiki, and Palolo streams
- One in-stream debris catchment structure
- Three multi-purpose detention basin
- Flood Control Elements along the Ala Wai Canal
- Flood warning system (non-structural)
- Fish and wildlife mitigation (non-structural)

Through the auspices of the 100RC, The CCH retained Stantec on a pro-bono basis to review the proposed USACE FS study level designs and provide general support services to the City with respect to develop conceptual alternative designs/adjustments to existing designs for potential inclusion in the USACE's Ala Wai Canal Flood Risk Mitigation project. General support included assisting the City identify opportunities for place-making. Increased community use and acceptance, enhancing the local economy, achieving improvements in the environment while achieving (or expanding) the project's flood mitigation focus. More specific scope tasks included assisting the City identify opportunities to quantify (monetize) the flood risk mitigation, social, economic, and environmental benefits achieved by proposed new or modified key project elements, particularly in terms of USACE recognition of in-kind local contribution to the Project. Analysis provided included consideration of impacts to overall project costs, feasibility, permutability, constructability and schedule. Our team worked closely with the CCG Department of Design and Construction to focus on features of greater interest to the community and produced multiple alternatives for design and location of canal areas and walls and levees, inclusion of park areas, incorporation of ongoing complete streets planning, CCH goals for multi-modal transport. Concepts were also provided for greening and increased safety for middle and upper watershed Project features. We also provided alternative conceptual designs to increase normal and higher frequency flood flows diversion of the Manoa-Palolo Stream through the Ala Wai Golf course to provided water treatment of stream water before its return to the canal at point further east of current junction that will provide water quality benefits to the canal itself.

KEY RELEVANCE
<p><b>Scope:</b> Climate change, resiliency, and sustainability, flood mitigation, environmental, hydraulics, landscape architecture, flood control</p> <p><b>Size:</b> N/A</p> <p><b>Cost:</b> \$100M+ (construction)</p> <p><b>Key Personnel:</b></p> <ul style="list-style-type: none"> <li>• John Malueg, Technical SME</li> </ul>

### 25. FIRMS INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stantec Consulting Services Inc.	(2) FIRM LOCATION ( <i>City and State</i> ) Honolulu, HI	(3) ROLE Prime Consultant
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## County of Hawai'i

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE FIRM'S QUALIFICATIONS FOR THIS SERVICE CATEGORY</b> <i>Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <span style="font-size: 24pt; font-weight: bold;">10</span>
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21. TITLE AND LOCATION ( <i>City and State</i> )	22. YEAR COMPLETED	
Lahaina Watershed Flood Protection Project (Lahaina, HI)	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION ( <i>If applicable</i> ) N/A

### 23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER County of Maui Department of Public Works	b. POINT OF CONTACT NAME Ty Takeno	c. POINT OF CONTACT TELEPHONE NUMBER (808) 270-7745
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### 24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS SERVICE CATEGORY (*Include scope, size, and cost*)

The Lahaina Watershed Flood Protection Project, previously known as the Lahaina Watershed Flood Control Project, has been over forty years in the making. A portion of the project (30%) has been constructed, and funding is now in place to conduct the engineering and environmental planning needed to complete the remaining planned works. To continue, the project must complete a supplemental watershed plan – the Supplemental Plan Environmental Document (ED). The Supplemental ED is due to significant watershed changes (largely due to the construction of the Lahaina Bypass) since the project's Environmental Impact Statement (EIS), which was completed in 2003.

Our team is completing the Lahaina Watershed Flood Protection Project Supplemental Plan Environmental Document. This project involves the development of a Natural Resource Conservation Service (NRCS), National Environmental Policy Act (NEPA), and Hawai'i Environmental Policy Act (HEPA) compliant Supplemental Plan Environmental Document (ED) to evaluate watershed protection measures within the Lahaina Watershed. The proposed project is intended to mitigate for flooding and reduce the impacts of sedimentation.

KEY RELEVANCE
<p><b>Scope:</b></p> <ul style="list-style-type: none"> <li>Flood preparedness</li> <li>NEPA/HEPA environmental review</li> </ul> <p><b>Size:</b> 5,250 acres</p> <p><b>Cost:</b> \$1.4M</p> <p><b>Key Personnel:</b></p> <ul style="list-style-type: none"> <li>Sherry Campagna, Project Manager</li> <li>John Nelson, Technical Lead for Nature Based Solutions</li> <li>Sarah Troedson, Senior GIS Analyst</li> </ul>

### 25. FIRMS INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Stantec Consulting Services Inc.	(2) FIRM LOCATION ( <i>City and State</i> ) Honolulu, HI	(3) ROLE Prime Consultant
b.	(1) FIRM NAME Stantec GS Inc. (formerly Cardno GS, Inc.)	(2) FIRM LOCATION ( <i>City and State</i> ) Honolulu, HI	(3) ROLE Prime Consultant

# County of Hawai'i

## G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN EXAMPLE PROJECT	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
<b>Sheryl Campagna</b>	Senior Environmental Planner/ Community Engagement Lead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>John Malueg</b>	Sustainability and Resiliency Planning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sarah Troedson</b>	Senior GIS Analyst	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Michele Lefebvre, Ph.D.</b>	Environmental Scientist	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Tricia Dang</b>	Environmental Planner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>John Nelson</b>	Senior Environmental Planner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Peer Amble</b>	Environmental Planner	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Benjamin Berridge, AICP, PMP</b>	Environmental Planner	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Hannah Hubanks</b>	Environmental Scientist	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Bert Weeks</b>	Biologist	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Boyd Dixon, RA</b>	Archaeologist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Stephanie Clarke</b>	GIS Specialist	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Jessica Hawkins</b>	Biologist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Angelica Demers</b>	Biologist	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Christine Chaplin, GISP</b>	GIS Specialist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Benjamin Barna, PhD, RPA</b>	Senior Archaeologist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Hawai'i Green Growth Ala Wai Watershed Collaboration	6	EIS for Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility Dry Dock and Waterfront Production Facility at JBP HH

## County of Hawai'i

2	Kaloko Affordable Housing Project HRS 343 and HUD NEPA, EAs	7	EA for the Home Basing of the MQ-9 Marine Unmanned Aerial Vehicle Squadron and KC-130J Marine Aerial Refueler Transport Squadron, MCB Hawai'i
3	City and County of Honolulu NPDES MS4 Monitoring	8	Engineering and Environmental Support Aunu'u, Hilo, and Laupahoehoe Harbors
4	Environmental Monitoring Services for Geothermal Energy Conversion Plant, Puna Geothermal Venture	9	100 Resilient Cities Technical Support to Honolulu Assessment of Ala Wai Flood Mitigation Project
5	Alternative Energy Planning Studies and Resiliency Roadmap, Pacific Missile Range Facility	10	Lahaina Watershed Flood Management Project

# County of Hawai'i

## H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION AT YOUR DISCRETION. ATTACH ADDITIONAL SHEETS AS NEEDED

### The Stantec Advantage

Stantec empowers clients, people, and communities to rise to the world's greatest challenges at a time when the world faces more unprecedented concerns than ever before.

We are a global leader in sustainable engineering, architecture, and environmental consulting. Our professionals deliver the expertise, technology, and innovation communities need to manage aging infrastructure, demographic and population changes, the energy transition, and more.

Today's communities transcend geographic borders. At Stantec, community means everyone with an interest in the work that we do—from our project teams and industry colleagues to our clients and the people our work impacts. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure.

We are designers, engineers, scientists, project managers, and strategic advisors. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible.

Stantec trades on the TSX and the NYSE under the symbol STN. Visit us at [Stantec.com](http://Stantec.com) or find us on social media.

**The Stantec community unites more than 32,000 employees working in over 450 locations** • We collaborate across disciplines and industries to bring buildings, energy and resource, and infrastructure systems to life. Our work— professional consulting in planning, engineering, architecture, landscape architecture, surveying, environmental sciences, project management, and project economics—begins at the intersection of community, creativity, and client relationships. With thousands of employees on six continents, Stantec offers a global team of program managers, business consultants, engineers, geologists, operators, scientists, technologists, and regulatory experts who provide solutions to the world's most challenging projects.

**One Stantec team** • Stantec Consulting Services Inc. and Stantec GS Inc. staff collaborate as one united Stantec team. Stantec GS Inc. is owned and operated by Stantec Consulting Services Inc. through an internal affiliated operations plan. Cardno GS, Inc., now known as Stantec GS Inc., was acquired by Stantec on December 6, 2021. Since 1989, Stantec GS Inc. has provided environmental, A-E, and other asset management services for our clients in Hawai'i. Stantec GS Inc. is an operating division of Stantec Inc. and has historically focused on meeting the needs of our municipal, state, federal agency, and commercial clients.

**Global resources with island attitude** • We have an 72-person strong Honolulu operations team with our principal office located in American Savings Bank Tower of Bishop Park, as well as 21 additional staff in the Stantec GS Inc. Honolulu office. Stantec has been working in Hawai'i supporting our community on projects, including working with the Environmental Services Department (ENV) on the Phase 2 Expansion for Sand Island Wastewater Treatment Plant; working with the Office of Climate Change, Sustainability, and Resiliency together with Department of Design and Construction (DDC) on integrating greener and community friendly alternatives into the proposed Ala Wai Flood Mitigation project; construction management for the HART Honolulu Rail Transit Project; harbors master planning for HDOT as a subconsultant; environmental impact assessments for government and commercial clients; mapping for the County of Hawai'i; and risk and resiliency planning for County of Maui. From environmental assessments on Hawai'i island to remedial investigations in the Northwest Islands (Wake) we have staff in multiple disciplines working throughout Hawai'i. We believe that creating a team that engages the right people is key to project success. Our team offers local expertise through our local staff on Oahu, Maui, and Hawai'i Island, along with relevant support staff and subject matter experts in Western United states—plus all the 32,000+ professionals in our global Stantec network. This gives us the flexibility to respond to any project challenge in a timely and efficient manner to keep your projects on track. We have the diverse experience necessary to tackle even your most unique challenges.

We have approached this submittal in a way that we believe provides County of Hawaii with information on the depth and breadth of our capabilities, as well as information on specific projects and staff. We understand that in doing this, Section G of this form may not demonstrate the overlap, we would usually present in a direct RFQ. Staff relatively new to Stantec bring a wealth of technical experience and in several cases experience in Hawai'i with other firms. Another important feature of Stantec is our proven track record of integrating multiple disciplines into projects; it's all a part of designing with communities in mind and ensuring projects achieve all potential benefits.

# County of Hawai'i

## H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION AT YOUR DISCRETION. ATTACH ADDITIONAL SHEETS AS NEEDED

**Stantec is a national leader in all aspects of community and environmental planning** • We integrate this expertise with all of our service areas presented below.

### ***Community Development***

- Master Planning
- Urban Design
- Landscape Architecture
- Design Visualization
- Stakeholder Consultation
- Brownfield Redevelopment
- Civil Engineering
- Master Servicing Plans
- Watershed Studies
- Stormwater Management
- Earthworks Analysis/ Lot Grading Design

### ***Environmental Services***

- Brownfields Assessment and Remediation
- Site Investigation and Remediation
- Risk Assessment
- Assessments, Permitting, and Compliance
- Ecosystem Restoration
- Groundwater Resources Management
- Archaeology and Heritage Resources

### ***Survey/Geomatics***

- Boundary and Cadastral Surveys
- Topographic Mapping
- Construction Stakeout
- Geodetic and Control Surveys
- As-Built Surveys
- 3D Laser Scanning

### ***Geotechnical Engineering***

- Subsurface Explorations
- Foundation and Retaining Systems
- Geotechnical Lab Testing
- Materials Investigations
- Seepage Analysis/ Dewatering Studies
- Slope Stability Analysis
- Settlement Analyses

### ***Water***

- Municipal and Industrial Water and Wastewater Treatment
- Water Supply, Storage Facilities and Distribution Systems
- Water and Wastewater
- Pumping Stations
- Linear Infrastructure Design
- Wastewater Reclamation and Reuse
- Wet Weather Flow Management

### ***Transportation Planning and Traffic Engineering***

- Transportation Master
- Planning/Modeling
- Travel Forecasting
- Traffic Impact Assessments
- Access Management
- Traffic Calming Solutions
- Safety Assessments

Our team is diverse—not only do we help the communities we live and work in create big picture plans, but we also provide the supporting services to fulfill environmental review requirements and get those plans implemented. We routinely prepare environmental documents and guide our clients through regulatory processes from local to federal agencies to achieve permit issuance and project implementation. We do this for both public and private clients on everything from small residential projects to large-scale utility projects and all types in between and in all types of land and regulatory environments. Our team of scientists and issue-area experts can cover all of the environmental impact issue areas from air quality and biology to historic preservation and geology. We have experience performing environmental impact assessments and documents pursuant to Chapter 343 of the Hawai'i Revised Statutes (HRS) and the National Environmental Policy Act for a variety of projects throughout the Islands.

Our team has the experience and qualifications to assist in tailoring an outreach process which engages stakeholders and desired constituencies. Engagement efforts are tailored to the goals of each client and to address differences between communities and institutions.

Stantec takes a proactive approach to the public involvement process specifically to encourage the participation of everyone with a potential interest in a project. Our public involvement team is highly skilled in the planning and facilitation of public meetings, and has successfully facilitated meetings for environmental justice communities, diverse groups of stakeholders, and the general public. Utilizing our extensive media capabilities, we have also coordinated with clients to create comprehensive packages of public involvement materials including meeting advertisements and signage, newsletters, websites, videos, 3-D visualization tools, and other educational materials.

Stantec has led hundreds of public involvement and community visioning projects that have generated community consensus. Throughout our public involvement process, innovative communication tools and techniques, such as a computer simulation and 3-D visualization, are employed as a means of building consensus. As needed, Stantec tailors outreach materials, such as newsletters, interactive web pages, public displays, briefing books, and video materials to the circumstances of each project, providing important information regarding the project process and

30. PROVIDE ANY ADDITIONAL INFORMATION AT YOUR DISCRETION. ATTACH ADDITIONAL SHEETS AS NEEDED

goals to affected communities, stakeholders, and the public. The result is a more engaged and involved stakeholder base that will build public acceptance for your projects.

**Environmental planning involves many disciplines and Stantec is proud to offer our expertise in these areas:**

### **Cultural Resources**

- Archaeological surveys
- Cultural resources overview studies and management plans
- National Register assessment and nomination programs and historic building studies

### **Environmental Impact Assessment**

- Air and noise studies
- Comprehensive data gathering
- Documentation through environmental impact statements and supporting studies
- Community involvement plans
- Geospatial and Geoinformation systems and Remote Sensing Data capabilities to include fixed wing, rotary, and UAS services

### **Natural Resources**

- Biological/ecological studies, including endangered species habitat analysis
- Wetlands delineation and mitigation

### **Planning Documentation**

- Climate change studies
- Economic feasibility studies
- Environmental baseline surveys and site selection
- Master planning for phased construction
- National Environmental Policy Act (NEPA)

### **Public Involvement**

- Strategic communications, consultation, and Public Involvement Plans
- Virtual public meeting hosting, facilitation, logistics, and technical implementation
- Online engagement materials and tools, and marketing/event surveys
- Risk communication and public meeting training/workshops
- Public meeting/hearing/workshop planning and facilitation
- Fact sheets, brochures, external and internal newsletters, copy writing, posters, presentations, and illustrations
- Press releases, media advisories, crisis communications, media relations, and media monitoring
- Public meeting materials, briefings, and Frequently Asked Questions
- Exhibit booths, site tours, materials, and events planning
- Websites, speech and script development, videos, podcasts, social media

30. PROVIDE ANY ADDITIONAL INFORMATION AT YOUR DISCRETION. ATTACH ADDITIONAL SHEETS AS NEEDED


### Stantec Quality Management

#### Stantec's PM Framework

- 00.** Prepare proposal, including a preliminary Project Plan with scope, budget, resources, deliverables, and schedule. Conduct and document an independent review of the final proposal.
- 01.** Obtain written instructions to proceed and execute an approved written contract. Obtain written subconsultant agreements.
- 02.** Prepare Project Plan with appropriate level of detail. Conduct/document independent review.
- 03.** Establish hard copy and/or electronic project record directories. File project records.
- 04.** Complete a Health, Safety & Environment (HSE) risk management assessment, document all projects involving field work.
- 05.** Monitor the project management dashboard regularly. Follow best practices for managing project financials, including time, work in progress, accounts receivable, and estimates to complete.
- 06.** Obtain client's written approval on scope of service changes in a timely manner.
- 07.** Conduct and document a quality review of all final deliverables prior to issue.
- 08.** Conduct and document an independent review of all final deliverables prior to issue.
- 09.** Close off the project financials and close out the project files.

We are committed to improving project execution, product quality, and reducing quality related costs. We have a formal quality management system in use across the organization that is registered to the ISO9001:2015 Quality Management standard. ISO 9001:2015 is an internationally recognized standard for quality management and has been adopted by Stantec to reduce risk and consequences of design errors, improve productivity and efficiency, promote the quality and reliability of our services, improve the financial performance, increase client confidence, and support regulatory compliance. We hold not one, but three ISO certifications, Quality, Environment, and Information Technology—together they form our Integrated Management System. The Stantec Project Management Framework on the left identifies the key tasks—requirements of our ISO 9001 Quality Management System—that will help you and your project team manage risks and quality on a typical project.

*On the following pages, we have included SF330 Part II forms for Stantec Consulting Services Inc. and Stantec GS Inc. Honolulu offices and additional offices listed that would work for the County of Hawai'i. Additional Part II forms can be provided upon request.*

<b>I. AUTHORIZED REPRESENTATIVE</b> The foregoing is a statement of facts.	
31. SIGNATURE  	32. DATE June 30, 2025
33. NAME AND TITLE Sheryl Campagna, Business Center Practice Leader	
<b>PROFESSIONAL SERVICE PROVIDER QUALIFICATIONS</b>	1. SERVICE CATEGORY OF INTEREST OH.1) Community Planning (Community Engagement, Strategic Planning), OH.2) Community Planning (Environmental Assessment), OH.3) Community Planning (Grant Writer)

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>Stantec Consulting Services Inc.</b>			3. YEAR ESTABLISHED 2016	4. UNIQUE ENTITY IDENTIFIER YV48PGRUGZN1
2b. STREET 1001 Bishop Street, Suite 1501			<b>5. OWNERSHIP</b>	
2c. CITY Honolulu	2d. STATE HI	2e. ZIP CODE 96813-3429	a. TYPE <b>Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE Tina Moschetti - Vice President, Transportation			b. SMALL BUSINESS STATUS <b>N/A</b>	
6b. TELEPHONE NUMBER (559) 492 4164		6c. EMAIL ADDRESS Tina.Moschetti@stantec.com	7. NAME OF FIRM (If block 2a is a branch office) <b>Stantec Inc.</b>	
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (See Below)
		(1) Firm	(2) Branch			
02	Administrative	6217	9	A06	Airports; Terminals and Hangars; Freight Handling	10
05	Archaeologist	691	0	C10	Commercial Building (low rise); Shopping Centers	10
06	Architect	1335	11	C15	Construction Management	10
07	Biologist	421	3	C16	Construction Surveying	7
08	CAD Technician	1218	1	C18	Cost Est, Cost Eng and Analy; Para Costing; Frct	6
12	Civil Engineer	4207	9	E09	EIS, Assessments of Statements	10
14	Computer Programmer	1375	1	E10	Environmental and Natural Resource Mapping	7
15	Construction Inspector	350	1	E11	Environmental Planning	10
16	Construction Manager	331	9	G04	GIS Services; Devel, Analysis , and Data Collection	6
21	Electrical Engineer	1216	6	G05	Geospatial Data Conv: Scan, Digitizing, Comp	5
23	Environmental Engineer	854	1	H01	Harbors; Jetties; Piers, Ship Terminal Facilities	9
24	Environmental Scientist	1764	2	H09	Hospital & Medical Facilities	10
27	Foundation/Geotechnical Engineer	686	0	I05	Interior Design; Space Planning	8
37	Interior Designer	285	1	L02	Land Surveying	9
38	Land Surveyor	393	2	M05	Military Design Standards	8
42	Mechanical Engineer	1360	0	R03	Railroad; Rapid Transit	10
47	Planner, Urban/Regional	956	3	R11	Rivers; Canals; Waterways; Flood Control	8
48	Project Manager	2079	10	S10	Surveying; Platting; Mapping; Flood Plain Studies	7
57	Structural Engineer	1289	2	S11	Sustainable Design	6
58	Technician/Analyst	2017	4	W02	Water Resources; Hydrology; Ground Water	10
	Other Employees	2600	0	W03	Water Supply; Treatment , and Distribution	10
<b>Total</b>		<b>31644</b>	<b>75</b>			

<b>11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS</b> (insert revenue index number shown at right)	<b>PROFESSIONAL SERVICES REVENUE INDEX NUMBER</b>	
	1. Less than \$100,000	6. \$2 million to less than \$5 million
	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
a. Federal Work	10	4. \$500,000 to less than \$1 million
b. Non-Federal Work	10	5. \$1 million to less than \$2 million
c. Total Work	<b>10</b>	6. \$2 million to less than \$5 million
		7. \$5 million to less than \$10 million
		8. \$10 million to less than \$25 million
		9. \$25 million to less than \$50 million
		10. \$50 million or greater

<b>12. AUTHORIZED REPRESENTATIVE</b>	
The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE <b>June 27, 2025</b>
c. NAME AND TITLE <b>Sarah A. McIlroy - Vice President, US Pacific</b>	

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>Stantec Consulting Services Inc.</b>			3. YEAR ESTABLISHED 2017	4. UNIQUE ENTITY IDENTIFIER UZJDKEMVLPN8
2b. STREET 2999 Oak Road, Suite 800			<b>5. OWNERSHIP</b>	
2c. CITY Walnut Creek	2d. STATE CA	2e. ZIP CODE 94597-2054	a. TYPE <b>Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE Trevor W. Macenski - Senior Principal			b. SMALL BUSINESS STATUS <b>N/A</b>	
6b. TELEPHONE NUMBER (925) 296-2141		6c. EMAIL ADDRESS Trevor.Macenski@stantec.com		
7. NAME OF FIRM (If block 2a is a branch office) <b>Stantec Inc.</b>				
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
Stantec Energy & Resources Inc.			2019	11-703-9392

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (See Below)
		(1) Firm	(2) Branch			
02	Administrative	6217	28	C15	Construction Management	10
05	Archaeologist	691	21	D01	Dams (Concrete; Arch)	9
06	Architect	1335	2	E03	Electrical Studies and Design	9
07	Biologist	421	7	E07	Energy Conservation; New Energy Sources	8
10	Chemical Engineer	455	2	E09	EIS, Assessments of Statements	10
12	Civil Engineer	4207	15	E12	Environmental Remediation	10
14	Computer Programmer	1375	3	E13	Environmental Testing and Analysis	9
15	Construction Inspector	350	1	H04	Heating; Ventilating; Air Conditioning	7
16	Construction Manager	331	1	H07	Highways; Streets; Airfield Paving; Parking Lots	10
21	Electrical Engineer	1216	12	I01	Industrial Building; Manufacturing Plants	10
23	Environmental Engineer	854	5	P02	Petroleum and Fuel (Storage and Distribution)	9
24	Environmental Scientist	1764	11	P04	Pipelines (Cross-Country – Liquid & Gas)	10
27	Foundation/Geotechnical Engineer	686	2	P05	Planning (Comm., Regional, Areawide , and State)	9
29	GIS Specialist	306	7	P12	Power Generation, Transmission, Distribution	10
30	Geologist	329	11	S04	Sewage Collection, Treatment, and Disposal	10
42	Mechanical Engineer	1360	9	S07	Solid Wastes; Incineration; Landfill	8
47	Planner, Urban/Regional	956	9	S13	Storm Water Handling & Facilities	9
48	Project Manager	2079	11	U03	Utilities (Gas and Steam)	8
57	Structural Engineer	1289	4	W02	Water Resources; Hydrology; Ground Water	10
58	Technician/Analyst	2017	1	W03	Water Supply; Treatment , and Distribution	10
	Other Employees	3406	4			
<b>Total</b>		<b>31644</b>	<b>166</b>			

<b>11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS</b> (insert revenue index number shown at right)	<b>PROFESSIONAL SERVICES REVENUE INDEX NUMBER</b>
a. Federal Work	10
b. Non-Federal Work	10
<b>c. Total Work</b>	<b>10</b>
1. Less than \$100,000	6. \$2 million to less than \$5 million
2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

**12. AUTHORIZED REPRESENTATIVE**  
The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE <b>June 27, 2025</b>
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c. NAME AND TITLE  
**Sarah A. McIlroy - Vice President, US Pacific**

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>Stantec Consulting Services Inc.</b>			3. YEAR ESTABLISHED 2017	4. UNIQUE ENTITY IDENTIFIER GLQQSJ4WRL95
2b. STREET 300 North Lake Avenue Suite 400			<b>5. OWNERSHIP</b>	
2c. CITY Pasadena	2d. STATE CA	2e. ZIP CODE 91101-4169	a. TYPE <b>Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE Laura Duarte - Office Manager			b. SMALL BUSINESS STATUS <b>N/A</b>	
6b. TELEPHONE NUMBER (626) 568-6277		6c. EMAIL ADDRESS laura.duarte@stantec.com		7. NAME OF FIRM (If block 2a is a branch office) <b>Stantec Inc.</b>
8a. FORMER FIRM NAME(S) (If any) Stantec Energy & Resources Inc.; Stantec Consulting Services Inc. (Cardno, Inc. Glendale CA)			8b. YEAR ESTABLISHED 2016; 2022	8c. UNIQUE ENTITY IDENTIFIER 08-009-4989; 08-029-8919

### 9. EMPLOYEES BY DISCIPLINE

### 10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (See Below)
		(1) Firm	(2) Branch			
02	Administrative	6217	21	C13	Computer Facilities; Computer Service	7
05	Archaeologist	691	8	C15	Construction Management	10
06	Architect	1335	4	D01	Dams (Concrete; Arch)	9
07	Biologist	421	3	E07	Energy Conservation; New Energy Sources	8
08	CAD Technician	1218	4	E09	EIS, Assessments of Statements	10
10	Chemical Engineer	455	8	E12	Environmental Remediation	10
12	Civil Engineer	4207	27	E13	Environmental Testing and Analysis	9
14	Computer Programmer	1375	5	H07	Highways; Streets; Airfield Paving; Parking Lots	10
21	Electrical Engineer	1216	5	H12	Hydraulics & Pneumatics	5
23	Environmental Engineer	854	8	I01	Industrial Building; Manufacturing Plants	10
24	Environmental Scientist	1764	9	P05	Planning (Comm., Regional, Areawide, and State)	9
27	Foundation/Geotechnical Engineer	686	0	P06	Planning (Site, Installation, and Project)	10
30	Geologist	329	1	P12	Power Generation, Transmission, Distribution	10
34	Hydrologist	251	2	R10	Risk Analysis	7
42	Mechanical Engineer	1360	10	S04	Sewage Collection, Treatment, and Disposal	10
47	Planner, Urban/Regional	956	8	S07	Solid Wastes; Incineration; Landfill	8
48	Project Manager	2079	7	S13	Storm Water Handling & Facilities	9
57	Structural Engineer	1289	3	W02	Water Resources; Hydrology; Ground Water	10
58	Technician/Analyst	2017	0	W03	Water Supply; Treatment, and Distribution	10
62	Water Resources Engineer	163	2			
	Other Employees	2761	0			
<b>Total</b>		<b>31644</b>	<b>135</b>			


### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (insert revenue index number shown at right)

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

a. Federal Work	10	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	<b>10</b>	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE <b>June 27, 2025</b>
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c. NAME AND TITLE <b>Sarah A. McIlroy - Vice President, US Pacific</b>
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# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>Stantec Consulting Services Inc.</b>			3. YEAR ESTABLISHED 2017	4. UNIQUE ENTITY IDENTIFIER HAKDPJ5Q18X5
2b. STREET 410 17th Street Suite 1400			<b>5. OWNERSHIP</b>	
2c. CITY Denver	2d. STATE CO	2e. ZIP CODE 80202-4427	a. TYPE <b>Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE Daniela Machado - Project Management & Commercial Leader, Water			b. SMALL BUSINESS STATUS <b>N/A</b>	
6b. TELEPHONE NUMBER (303) 291-2274		6c. EMAIL ADDRESS daniela.machado@stantec.com		
7. NAME OF FIRM (If block 2a is a branch office) <b>Stantec Inc.</b>				
8a. FORMER FIRM NAME(S) (If any) Cardno, Inc.; Stantec Consulting Services Inc. (Denver (S Colorado) CO); Stantec Consulting Services Inc. (Denver (18th St) CO); Stantec Consulting Services Inc. (Denver (Broadway) CO); Stantec Consulting Services Inc. ( S Pennsylvania St) Denver, CO); Stantec Consulting Services Inc. (Englewood, CO)			8b. YEAR ESTABLISHED 1933; 2009; 2017; 2017; 2021; 2022	8c. UNIQUE ENTITY IDENTIFIER NPUPPC7VGKF7; TS2KYRHBKZA3; NUCNR8LGR2Z3; YKQBNN21M3M5; XY59YKA7BE83; NPUPPC7VGKF7

### 9. EMPLOYEES BY DISCIPLINE

### 10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (See Below)
		(1) Firm	(2) Branch			
02	Administrative	6217	172	C13	Computer Facilities; Computer Service	7
05	Archaeologist	691	9	C15	Construction Management	10
06	Architect	1335	52	D01	Dams (Concrete; Arch)	9
07	Biologist	421	1	E07	Energy Conservation; New Energy Sources	8
08	CAD Technician	1218	8	E09	EIS, Assessments of Statements	10
10	Chemical Engineer	455	16	E12	Environmental Remediation	10
12	Civil Engineer	4207	77	E13	Environmental Testing and Analysis	9
14	Computer Programmer	1375	25	H07	Highways; Streets; Airfield Paving; Parking Lots	10
15	Construction Inspector	350	3	H12	Hydraulics & Pneumatics	5
16	Construction Manager	331	5	I01	Industrial Building; Manufacturing Plants	10
21	Electrical Engineer	1216	8	P05	Planning (Comm., Regional, Areawide, and State)	9
23	Environmental Engineer	854	8	P06	Planning (Site, Installation, and Project)	10
24	Environmental Scientist	1764	12	P12	Power Generation, Transmission, Distribution	10
27	Foundation/Geotechnical Engineer	686	33	R10	Risk Analysis	7
30	Geologist	329	7	S04	Sewage Collection, Treatment, and Disposal	10
42	Mechanical Engineer	1360	20	S07	Solid Wastes; Incineration; Landfill	8
47	Planner, Urban/Regional	956	7	S13	Storm Water Handling & Facilities	9
48	Project Manager	2079	33	W02	Water Resources; Hydrology; Ground Water	10
57	Structural Engineer	1289	27	W03	Water Supply; Treatment, and Distribution	10
58	Technician/Analyst	2017	5			
	Other Employees	2494	46			
<b>Total</b>		<b>31644</b>	<b>574</b>			


### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (insert revenue index number shown at right)

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

a. Federal Work	10	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE <b>June 27, 2025</b>
c. NAME AND TITLE <b>Sheina Hughes - Vice President, US Mountain Regional Leader</b>	

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>Stantec Consulting Services Inc.</b>			3. YEAR ESTABLISHED 2017	4. UNIQUE ENTITY IDENTIFIER ET2NUL57AEH9
2b. STREET 601 SW Second Avenue Suite 1400			<b>5. OWNERSHIP</b>	
2c. CITY Portland	2d. STATE OR	2e. ZIP CODE 97204-3128	a. TYPE <b>Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE Luke De Hayr - Executive Vice President, Environmental Services			b. SMALL BUSINESS STATUS <b>N/A</b>	
6b. TELEPHONE NUMBER (503) 419-2632		6c. EMAIL ADDRESS luke.dehayr@stantec.com		
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
Cardno, Inc.; Stantec Consulting Services Inc. (Barnes Rd, Portland, OR); Stantec Consulting Services Inc. (Macadam Ave Portland OR)			1933; 2009; 2022	13-959-8010; 13-020-0319; VQEBAKYJ4VQ

### 9. EMPLOYEES BY DISCIPLINE

### 10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (See Below)
		(1) Firm	(2) Branch			
02	Administrative	6217	26	C13	Computer Facilities; Computer Service	7
05	Archaeologist	691	12	C15	Construction Management	10
06	Architect	1335	5	D01	Dams (Concrete; Arch)	9
07	Biologist	421	4	E07	Energy Conservation; New Energy Sources	8
08	CAD Technician	1218	4	E09	EIS, Assessments of Statements	10
10	Chemical Engineer	455	3	E12	Environmental Remediation	10
12	Civil Engineer	4207	26	E13	Environmental Testing and Analysis	9
14	Computer Programmer	1375	12	H07	Highways; Streets; Airfield Paving; Parking Lots	10
15	Construction Inspector	350	9	H12	Hydraulics & Pneumatics	5
16	Construction Manager	331	12	I01	Industrial Building; Manufacturing Plants	10
21	Electrical Engineer	1216	10	P05	Planning (Comm., Regional, Areawide, and State)	9
23	Environmental Engineer	854	4	P06	Planning (Site, Installation, and Project)	10
24	Environmental Scientist	1764	7	P12	Power Generation, Transmission, Distribution	10
27	Foundation/Geotechnical Engineer	686	4	R10	Risk Analysis	7
38	Land Surveyor	393	1	S04	Sewage Collection, Treatment, and Disposal	10
42	Mechanical Engineer	1360	5	S07	Solid Wastes; Incineration; Landfill	8
47	Planner, Urban/Regional	956	8	S13	Storm Water Handling & Facilities	9
48	Project Manager	2079	22	W02	Water Resources; Hydrology; Ground Water	10
57	Structural Engineer	1289	4	W03	Water Supply; Treatment, and Distribution	10
58	Technician/Analyst	2017	1			
	Other Employees	2430	16			
<b>Total</b>		<b>31644</b>	<b>195</b>			


### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (insert revenue index number shown at right)

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

a. Federal Work	10	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE <b>June 27, 2025</b>
c. NAME AND TITLE <b>Sheina Hughes - Vice President, US Mountain Regional Leader</b>	

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>Stantec Consulting Services Inc.</b>			3. YEAR ESTABLISHED 2017	4. UNIQUE ENTITY IDENTIFIER T7A9LQQMSBE9
2b. STREET 2890 East Cottonwood Parkway Suite 300			<b>5. OWNERSHIP</b>	
2c. CITY Salt Lake City	2d. STATE UT	2e. ZIP CODE 84121-7283	a. TYPE <b>Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE Damon Brown - Senior Principal, Business Center Operations Leader			b. SMALL BUSINESS STATUS <b>N/A</b>	
6b. TELEPHONE NUMBER (801) 743-4811		6c. EMAIL ADDRESS Damon.Brown@stantec.com		7. NAME OF FIRM (If block 2a is a branch office) <b>Stantec Inc.</b>
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
Stantec Consulting Services Inc. (W 200 S, SLC, UT); Stantec Consulting Services Inc. (S 700 E, SLC, UT); Stantec Consulting Services Inc. (Cardno, Inc. West Valley City UT)			2009; 2017; 2022	08-123-7600; 15-787-2641; 61-007-3608

### 9. EMPLOYEES BY DISCIPLINE

### 10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (See Below)
		(1) Firm	(2) Branch			
02	Administrative	6217	21	C13	Computer Facilities; Computer Service	7
05	Archaeologist	691	4	C15	Construction Management	10
07	Biologist	421	3	D01	Dams (Concrete; Arch)	9
08	CAD Technician	1218	2	E07	Energy Conservation; New Energy Sources	8
10	Chemical Engineer	455	2	E09	EIS, Assessments of Statements	10
12	Civil Engineer	4207	11	E12	Environmental Remediation	10
14	Computer Programmer	1375	4	E13	Environmental Testing and Analysis	9
15	Construction Inspector	350	1	H07	Highways; Streets; Airfield Paving; Parking Lots	10
21	Electrical Engineer	1216	3	H12	Hydraulics & Pneumatics	5
23	Environmental Engineer	854	5	I01	Industrial Building; Manufacturing Plants	10
24	Environmental Scientist	1764	12	P05	Planning (Comm., Regional, Areawide, and State)	9
27	Foundation/Geotechnical Engineer	686	1	P06	Planning (Site, Installation, and Project)	10
29	GIS Specialist	306	2	P12	Power Generation, Transmission, Distribution	10
30	Geologist	329	7	R10	Risk Analysis	7
34	Hydrologist	251	7	S04	Sewage Collection, Treatment, and Disposal	10
42	Mechanical Engineer	1360	8	S07	Solid Wastes; Incineration; Landfill	8
47	Planner, Urban/Regional	956	1	S13	Storm Water Handling & Facilities	9
48	Project Manager	2079	26	W02	Water Resources; Hydrology; Ground Water	10
57	Structural Engineer	1289	2	W03	Water Supply; Treatment, and Distribution	10
58	Technician/Analyst	2017	4			
	Other Employees	3603	6			
<b>Total</b>		<b>31644</b>	<b>132</b>			


### 11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (insert revenue index number shown at right)

### PROFESSIONAL SERVICES REVENUE INDEX NUMBER

a. Federal Work	10	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	10	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE <b>June 27, 2025</b>
c. NAME AND TITLE <b>Sarah A. McIlroy - Vice President, US Pacific</b>	

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME <b>Stantec Consulting Ltd./Stantec Experts-conseils Itée</b>			3. YEAR ESTABLISHED 2003	4. UNIQUE ENTITY IDENTIFIER UZKEHN3JMV49
2b. STREET 200-325 25th Street SE			<b>5. OWNERSHIP</b>	
2c. CITY Calgary	2d. STATE AB	2e. ZIP CODE T2A 7H8	a. TYPE <b>Corporation</b>	
6a. POINT OF CONTACT NAME AND TITLE Anna Kozicky - Director of Business Development, Energy & Resources			b. SMALL BUSINESS STATUS <b>N/A</b>	
6b. TELEPHONE NUMBER (403) 781-4134		6c. EMAIL ADDRESS Anna.Kozicky@stantec.com	7. NAME OF FIRM (If block 2a is a branch office) <b>Stantec Inc.</b>	
8a. FORMER FIRM NAME(S) (If any) Stantec Consulting Ltd. (9th Ave., Calgary); Stantec Consulting Ltd. (Railway, Calgary)			8b. YEAR ESTABLISHED 2015; 2024	8c. UNIQUE ENTITY IDENTIFIER N/A; N/A

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (See Below)
		(1) Firm	(2) Branch			
02	Administrative	6217	347	B02	Bridges	10
05	Archaeologist	691	34	C10	Commercial Building (low rise); Shopping Centers	10
06	Architect	1335	35	C15	Construction Management	10
07	Biologist	421	23	D04	Design-Build; Preparation of RFPs	9
08	CAD Technician	1218	55	E02	Educational Facilities; Classrooms	10
10	Chemical Engineer	455	11	E09	EIS, Assessments of Statements	10
12	Civil Engineer	4207	97	E11	Environmental Planning	10
14	Computer Programmer	1375	58	E12	Environmental Remediation	10
16	Construction Manager	331	30	H07	Highways; Streets; Airfield Paving; Parking Lots	10
21	Electrical Engineer	1216	46	H09	Hospital & Medical Facilities	10
23	Environmental Engineer	854	14	H11	Housing (Residential, Multi-Family, Apts, Condos)	10
24	Environmental Scientist	1764	97	I01	Industrial Building; Manufacturing Plants	10
27	Foundation/Geotechnical Engineer	686	54	M06	Mining & Mineralogy	10
30	Geologist	329	17	P04	Pipelines (Cross-Country – Liquid & Gas)	10
38	Land Surveyor	393	24	P12	Power Generation, Transmission, Distribution	10
42	Mechanical Engineer	1360	32	R03	Railroad; Rapid Transit	10
47	Planner, Urban/Regional	956	15	S04	Sewage Collection, Treatment, and Disposal	10
48	Project Manager	2079	74	S10	Surveying; Platting; Mapping; Flood Plain Studies	7
57	Structural Engineer	1289	29	T03	Traffic & Transportation Engineering	10
58	Technician/Analyst	2017	205	U02	Urban Renewals; Community Development	10
	Other Employees	2451	142	W02	Water Resources; Hydrology; Ground Water	10
<b>Total</b>		<b>31644</b>	<b>1439</b>	W03	Water Supply; Treatment, and Distribution	10

<b>11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS</b> (insert revenue index number shown at right)	<b>PROFESSIONAL SERVICES REVENUE INDEX NUMBER</b>
a. Federal Work	10
b. Non-Federal Work	10
c. Total Work	10
1. Less than \$100,000	6. \$2 million to less than \$5 million
2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE <b>June 27, 2025</b>
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c. NAME AND TITLE  
**Scott Argent - Vice President, Alberta North**