

Marin-01: FIRESafe MARIN Firewise Juniper Removal Program

Final Project Report

PG&E Project number	Marin-01
Type of Project	Hazardous Vegetation Removal
Location	Various
Size of the project	
Proximity to PG&E Equipment	Varied - residential and roadways, 0'-30'
Project Award	\$50,000
Administration Fee (10%)	\$5,000
Project Expenses	Invoices Amount Payee, Location \$15,000 John Hansen, Project Mgmt, Firewise Liaison \$30,000.00 Small World Tree Service (grant expense) Total \$45,000
Total Match (FIRESafe MARIN)	\$10,000.00 <i>Small World Tree Service (FSM match)</i> \$186.28 <i>John Hansen, Project Management, Firewise Site Liaison and Project Planning</i>
Total Grant Expenses	\$50,000
Initial PG&E Payment	-\$25,000
Remaining PG&E Payment	\$25,000

Project Map

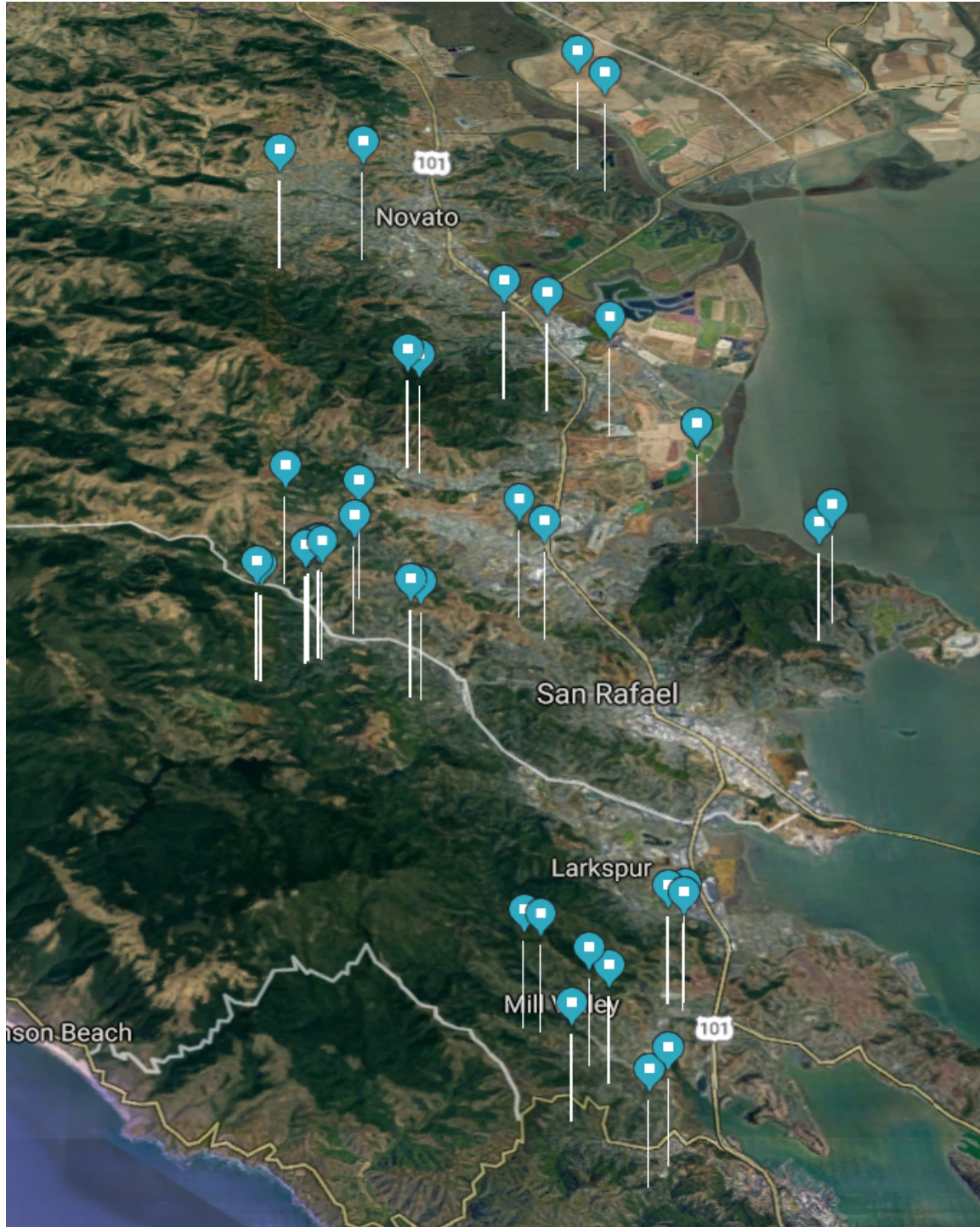


Figure 1: Map of the locations of Marin-07 PG&E Grant funded chipper days and vegetation disposal projects in 2016.

Project Description and Fuel Reduction Strategies

FIRE Safe MARIN conducted a countywide residential fire-prone vegetation (juniper and Italian cypress) reduction program with funds allocated from Grant Marin-01 during September and October, 2019. The

goal was to reduce fire-hazardous vegetation that might impede evacuation egress and fire apparatus ingress during a wildfire.

All work was conducted by Small World Tree Service, with project coordination, planning, traffic control, and documentation provided by John Hansen under contract with FIRESafe MARIN. Work occurred only in existing recognized Firewise USA “sites” in Marin county. John Hanson acted as liaison to each Firewise USA site committee, and provided education on the importance of vegetation removal and evacuation route access, coordinated with individual homeowners, photographed site conditions, schedule contractors, and documented progress.

At each project location, juniper and/or italian cypress were removed according to FIRESafe MARIN’s fire-hazardous vegetation guidelines. All work occurred adjacent to roadways and/or driveways, and within the 100’ defensible space zone of existing structures served by PG&E power.

Vegetation removal and disposal projects were conducted on the following dates and 41 locations.

Date(s)	Location	Partners
9/16	123 Oak Springs Dr, San Anselmo	Oak Springs Firewise
9/18	28 Dorset Ln and 50 Shell Rd, Mill Valley	Alto Sutton Firewise
9/21	19 Marin Valley Dr, Novato	Marin Valley Firewise
9/25	202 and 203 Laverne Ave, Mill Valley	Homestead Valley Firewise
9/26	723 Redwood Ave, 367and 379 Oak Ave, San Anselmo	Bald Hill Firewise and Cal Fire
9/27	123 and 195 Edgewood Ave, Mill Valley	Lower Edgewood Firewise
10/1 and 10/4	226 Ridgewood Dr and 26 Crestwood Dr, San Rafael	Rafael Highlands Firewise
10/2	12, 14, 16, and 18 Ace Ct, Fairfax	Canon Village Firewise
10/3	15, 19, 128, 454, 478, and 633 Cascade Cyn, Fairfax	Cascade Canyon Firewise and Cal Fire
10/4	339-345 Bolinas St, Fairfax	Deer Park Firewise and Cal Fire
10/14	Enterprise Concourse (boulevard island), Mill Valley	Marinview and Tam Valley Firewise and Marin County Fire
10/15	241 Knight Dr and 3 Beechwood Ct, San Rafael	Glenwood Firewise
10/16	5 and 11 Sunny Oaks Dr, San Rafael	Sunny Oaks/Bayhills Firewise
10/17 and 10/18	125 Mt Lassen Dr and 35 Mt Tenaya Dr, San Rafael	Lucas Valley Firewise
10/18 and 10/22	2 Burdell Ct and 50 Pacheco Creek Dr, Novato	Pacheco Valle Firewise
10/19	9-11 Tanglewood Ave, Novato	Indian Valley Firewise
10/22	300 Ridge Rd, Novato	Novato Heights Firewise
10/23	2504 and 2508 Topaz Dr, Novato	Bahia Firewise

2019 PG&E Fuel Reduction Grants



10/23	5 Sutton Ln, Novato	Black Pt/ Green Pt Firewise and Marin County Fire
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Project Photography

Before: *Residential Fuel-Removal Projects*











After: *Residential Fuel-Removal Completions*



















Project Invoices

World Tree Service, Inc.
PO Box 2824, San Anselmo, CA 94979
415-455-0909
James Cairnes, Cert Arb#WE-3841A
Natalie Carey, Cert Arb#WE-10312A

Invoice

DATE	INVOICE #
10/31/2019	PGE2109

BILL TO: NAME / ADDRESS / PHONE

Phone: (415) 455-0909
FAX: (415) 482-8212

Fire Safe Marin
Todd Lando
P.O.Box, CA 2831
Sa Anselmo CA94979

JOB SITE NAME/ ADDRESS:	JOB ADDRESS:

DESCRIPTION	QTY	COST	TOTAL
Juniper and Cypress removal, including onsite cutting, chipping, and disposal for PG&E grant 9/16 - 10/23 Date(s) Location 9/16-123 Oak Springs Dr 9/18 28 Dorset Ln and 50 Shell Rd, Mill Valley 9/21 19 Marin Valley Dr, Novato 9/25 202 and 203 Laverne Ave, Mill Valley 9/26 723 Redwood Ave, 367and 379 Oak Ave, San Anselmo 9/27 123 and 195 Edgewood Ave, Mill Valley 10/1 and 10/4 226 Ridgewood Dr and 26 Crestwood Dr, San Rafael 10/2 12, 14, 16, and 18 Ace Ct, Fairfax 10/3 15, 19, 128, 454, 478, and 633 Cascade Cyn, Fairfax 10/4 339-345 Bolinas St, Fairfax 10/14 Enterprise Concourse (boulevard island), Mill Valley 10/15 241 Knight Dr and 3 Beechwood Ct, San Rafael 10/16 5 and 11 Sunny Oaks Dr, San Rafael 10/17 and 10/18 125 Mt Lassen Dr and 35 Mt Tenaya Dr, San Rafael 10/18 and 10/22 2 Burdell Ct and 50 Pacheco Creek Dr, Novato 10/19 9-11 Tanglewood Ave, Novato 10/22 300 Ridge Rd, Novato 10/23 2504 and 2508 Topaz Dr, Novato 10/23 5 Sutton Ln, Novato		30,000.00	30,000.00
We look forward to doing business with you.		TOTAL	\$30,000.00

Please remit payment to:
The Small World Tree Co.
P.O. Box 2824
San Anselmo, CA 94979

Payments/Credits	\$0.00
Balance Due	\$30,000.00



INVOICE

From | John Hansen

Invoice ID | 008
Issue Date | 2019.12.01
Due Date | 2019.12.01 (upon receipt)
Subject | Time and Expenses for John Hansen

Invoice For | FIRESafe MARIN

Item Type	Description	Quantity	Unit Price	Amount
Service	Firewise Liaison (2019.11.01 - 2019.11.29)	67.00	\$35.00	\$2,345.00
Product	Firewise Liaison: Mileage	1.00	\$67.86	\$67.86
Amount Due				\$2,412.86

Notes

Pay to:
John Hansen
21 Scenic Dr
Novato CA 94949



INVOICE

From | John Hansen

Invoice ID | 007
Issue Date | 2019.10.31
Due Date | 2019.10.31 (upon receipt)
Subject | Time and Expenses for John Hansen PGE 2019 Grant

Invoice For | FIRESafe MARIN

Item Type	Description	Quantity	Unit Price	Amount
Service	Firewise Liaison (2019.10.01 - 2019.10.31)	37.50	\$35.00	\$1,312.50
Product	Firewise Liaison: Mileage	1.00	\$89.90	\$89.90
Service	PG&E grant coordination (2019.10.01 - 2019.10.31)	67.00	\$35.00	\$2,345.00
Product	PG&E grant coordination: Mileage	1.00	\$183.86	\$183.86
Amount Due				\$3,931.26



INVOICE

From **FIRESafe MARIN**

Invoice ID **006**
Issue Date 2019.10.03
Due Date 2019.10.03 (upon receipt)

Invoice For **FIRESafe MARIN**

Item Type	Description	Quantity	Unit Price	Amount
Service	Firewise Liaison (2019.09.01 - 2019.09.30)	38.50	\$35.00	\$1,347.50
Product	Firewise Liaison: Mileage	1.00	\$123.54	\$123.54
Service	PG&E grant coordination (2019.09.01 - 2019.09.30)	50.00	\$35.00	\$1,750.00
Product	PG&E grant coordination: Mileage	1.00	\$104.40	\$104.40
			Amount Due	\$3,325.44



INVOICE

From | John Hansen

Invoice ID | 1
Issue Date | 2019.08.31
Due Date | 2019.08.31 (upon receipt)

Invoice For | FIRESafe MARIN

Item Type	Description	Quantity	Unit Price	Amount
Service	PG&E grant coordination: Project Management (2019.08.01 - 2019.08.31)	42.00	\$35.00	\$1,470.00
Amount Due				\$1,470.00



INVOICE

From **John Hansen**

Invoice ID **004**
Issue Date 2019.08.31
Due Date 2019.08.31 (upon receipt)

Invoice For **FIRESafe MARIN**

Item Type	Description	Quantity	Unit Price	Amount
Service	Firewise Liaison (2019.07.01 - 2019.07.31)	58.50	\$35.00	\$2,047.50
Product	Firewise Liaison - 2019.07.08 - Mileage	25.00	\$0.58	\$14.50
Product	Firewise Liaison - 2019.07.15 - Mileage	21.00	\$0.58	\$12.18
Product	Firewise Liaison - 2019.07.16 - Mileage	5.00	\$0.58	\$2.90
Product	Firewise Liaison - 2019.07.17 - Mileage	31.00	\$0.58	\$17.98
Product	Firewise Liaison - 2019.07.19 - Mileage	5.00	\$0.58	\$2.90
Product	Firewise Liaison - 2019.07.25 - Mileage	25.00	\$0.58	\$14.50
Product	Firewise Liaison - 2019.07.30 - Mileage	31.00	\$0.58	\$17.98
Product	Firewise Liaison - 2019.07.31 - Mileage	22.00	\$0.58	\$12.76

Amount Due \$2,143.20



INVOICE

From | John Hansen

Invoice ID | 005
Issue Date | 2019.08.31
Due Date | 2019.08.31 (upon receipt)

Invoice For | FIRESafe MARIN

Item Type	Description	Quantity	Unit Price	Amount
Service	Firewise Liaison (2019.08.01 - 2019.08.31)	52.00	\$35.00	\$1,820.00
Product	2019.08.03 - Mileage	21.00	\$0.58	\$12.18
Product	2019.08.14 - Mileage	24.00	\$0.58	\$13.92
Product	2019.08.15 - Mileage	25.00	\$0.58	\$14.50
Product	2019.08.24 - Mileage	55.00	\$0.58	\$31.90
Product	2019.08.25 - Mileage	19.00	\$0.58	\$11.02

Amount Due \$1,903.52