



CPSC

**California Product
Stewardship Council** SM

**Los Angeles County
IWM Task Force Meeting
October 20, 2016**

CPSC Board and Organization

- 14 Member Board: 2 vacancies
 - <http://calpsc.org/about-us/meet-the-board-members/>
 - 5 of 14 are private sector members
 - Bahman Hajialiakbar from LA County



CPSC Mission – Goals of EPR

To shift California's product waste management system from one focused on government funded and ratepayer financed waste diversion to one that relies on producer responsibility in order **to reduce public costs and drive improvements in product design that promote environmental sustainability.**

We Support Voluntary Product Stewardship That Works!

- Finding and supporting companies that lead in product redesign to improve source reduction and recycling of their products
- Partnering to improve environmental outcomes
- Saving local governments money
- Ensuring waste stream is recyclable
- Demonstrating voluntary partnerships work!

CPSC Partnership Awards



Award for Outstanding Environmental Stewardship from the [Sacramento Environmental Commission](#) in July 2015 for the [Don't Rush to Flush, Meds in the Bin We All Win!](#)



Best Public/Private Partnership Award for battery recycling with Call2Recycle given by CalRecycle and the DTSC at the Used Oil/HHW 2013 Training & Conference.

Problem: Disposable 1lb Cylinders: Tough to Collect, Expensive to Recycle!



- 40 million used annually - 6m sold in CA every year
- \$1.50 – 3.50 per unit to recycle!

Where do they come from?



Disposable tanks are sold by thousands of CA retailers – and very few accept them for recycling so public needs to bring to HHW programs/events

What do they cost to buy?

That depends...



- Big box pricing gets as low as 2/\$5.37 (Walmart)
- Hardware stores are typically around \$3.50
- Sporting goods retailers range from \$3.99-\$5.99
- Grocery and C-stores range from \$5.99-\$7.99
- KOA - \$8.99!
- Prices increase closer to recreation destinations

Introducing the Flame King Refillable



- Company headquartered in Gardena!
- DOT certified as a refillable cylinder
- 12 year service life – 100's of refills
- Manufactured by Flame King in Taiwan
- Compatible with like devices
- Recyclable after decommissioning
- Every refill is a tank not thrown away
- Huge GHG savings!
- Refill – Don't Landfill!

**If you use 1lb propane single use cylinders,
it's time to switch to refillables!**

Green Arrow Award Winner!



2016 Green Arrow Award Winner for System and Design Innovations



L to R: Heidi Sanborn, CPSC; Sam Newman, Flame King

ReFuel Your Fun Campaign Developed Using CalRecycle Grants!



IN COOPERATION WITH



PROUD HERITAGE. BRIGHT FUTURE.



Project Goal:

“for residents to switch from using disposable single use one pound propane cylinders to refillable one pound cylinders and to encourage retail locations to sell refillable one pound propane cylinders, with the potential of providing refill or exchange services.”

-From the City of Sunnyvale CalRecycle grant work plan

- ✓ From no locations in 2013 to more than 160 retailers in California in 2016.



#1 Fuel for Recreation



Applications

Stoves

BBQ's

Lanterns

Ovens

Scooters

Marine engines



Propane is

- Clean burning
- Cannot contaminate soil or water
- Stable in storage
- Stored as a liquid
- Used as a gas

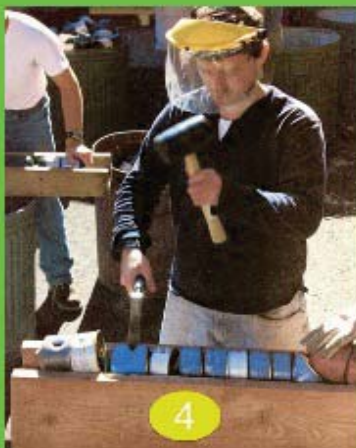


WHY? Estimated Four Million Disposable Propane Cylinders Used in California Annually!

How does Yosemite dispose of over 23,000 disposable tanks a year?



5 Steps to Recycling



1. Collection
2. Storage
3. Evaluation
4. Puncturing
5. Hauling

It costs Yosemite over \$1.20/tank

WHY? Cost Savings to Consumers!



Cost Savings for Refillable vs. Disposable

One-Pound Propane Gas Cylinders



Greenhouse Gas Emissions Reductions



- 73 million lbs. of GHG emissions from production of an estimated 36.7 million lbs. of steel prevented over a 12-year lifespan of a typical refillable
- 11 million lbs. of GHG emissions could be prevented from adopting 1lb refillable propane cylinders in CA (propane emissions)
- Total: 84 million pounds over a 12-year product lifespan

Calculations by U-Haul's Chief Sustainability Scientist Allan Yang, Ph.D. & MBA

Kamps Propane

California's Propane Dealer (11)



Little Camper with the Flame King Little Kamper 1 lb. Refillable

ReFuel PSA w/ Secretary Laird



English & Spanish language versions
Aired on Central Coast KION & KMUV TV in 2015 & 2016
Boilerplate PSA available for customization
Videos at <http://refuelyourfun.org/news/>

Silver CAPPIE Award 2015

Best Public Service Announcement



Given by:

Sacramento Public Relations
Association

<http://spra.org/events/cappies/>

Janet Soule & Bill Bradley, Me Communications
at the 2015 SPRA CAPPIE Awards Gala

Disposable Cylinder Exchange



Cylinder Exchange @ Yosemite National Park, 4/23/16

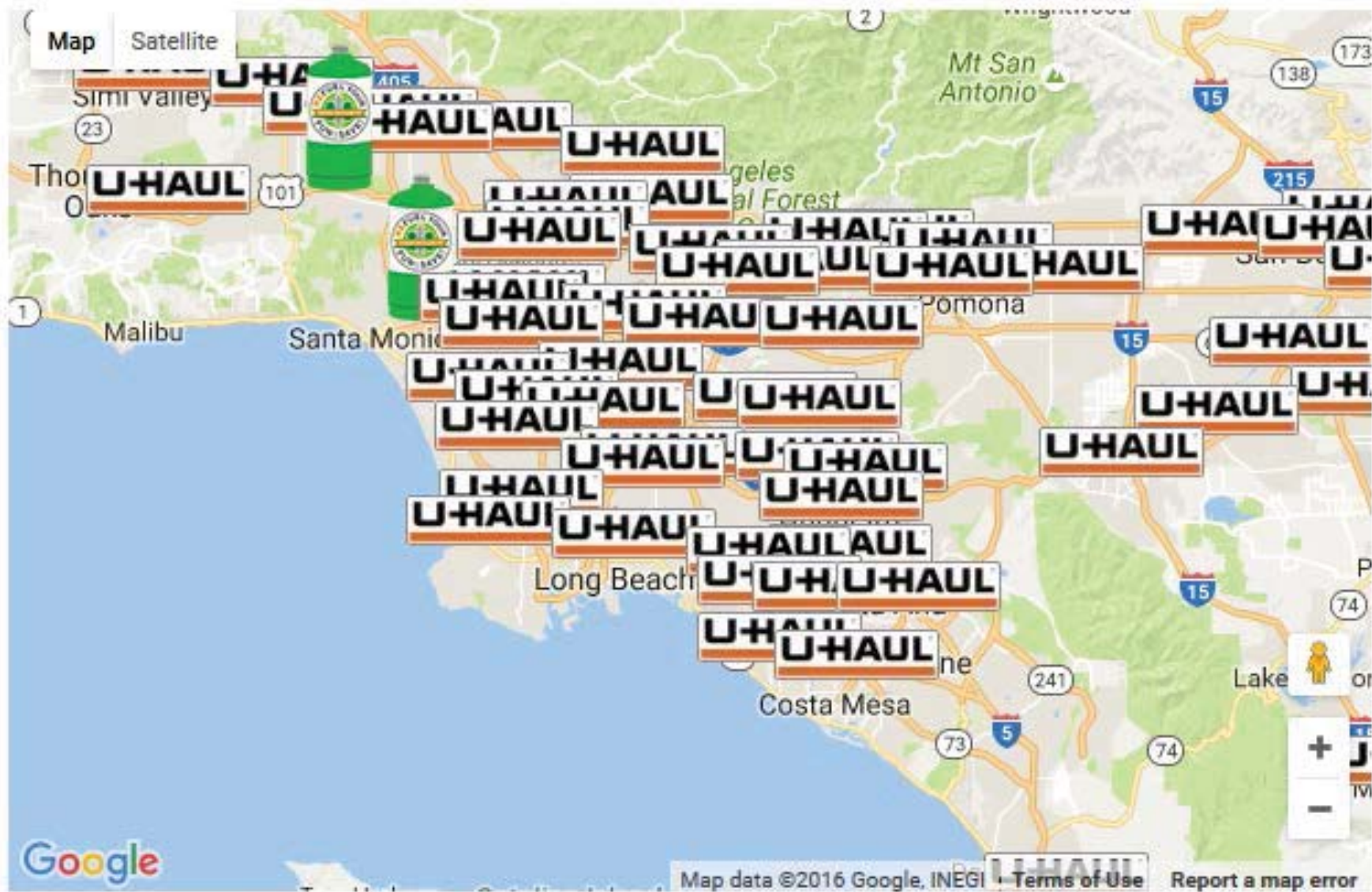
Aramark is doing a pilot for refillables in Yosemite!

U-Haul Joins the ReFuel Your Fun Campaign



**120+ California U-Haul
locations now offer refillables**

Los Angeles Retailers/Refill



U-Haul Joins ReFuel Your Fun



U-Haul Press Event in Mountain View, CA – June 2, 2016

Sacramento Press Conference



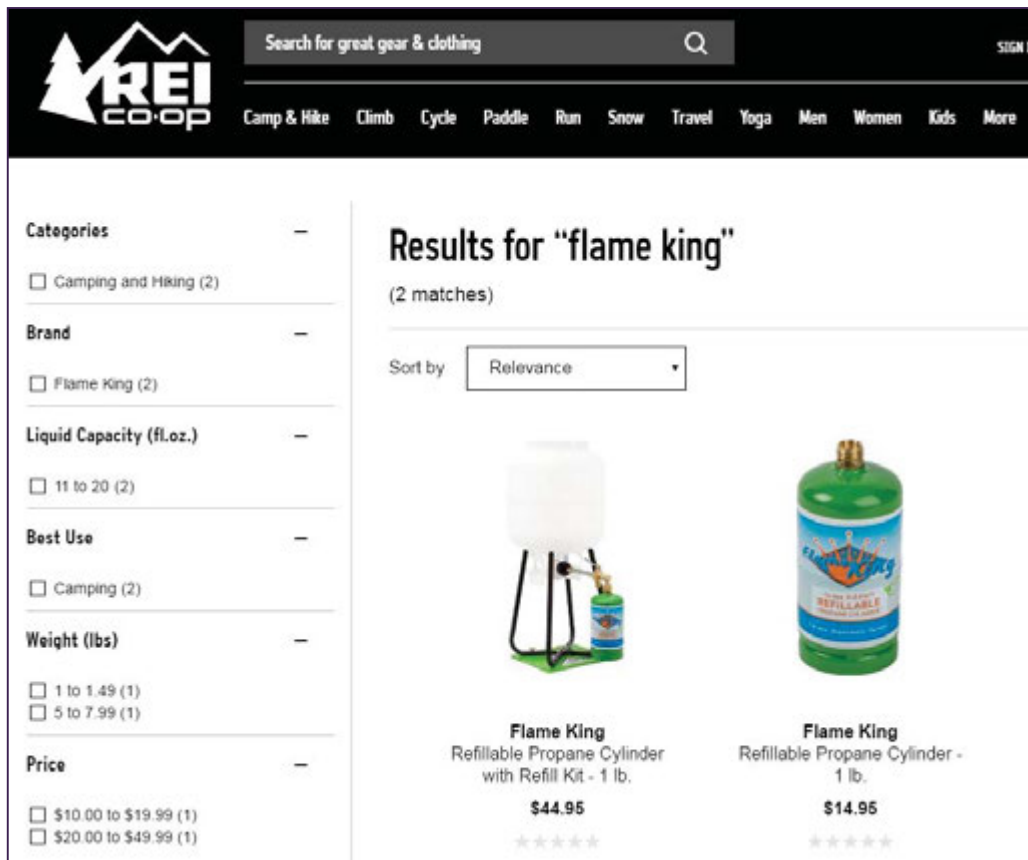
Sacramento County Supervisor Don Nottoli presenting at the U-Haul Press Event in Sacramento, CA
– June 3, 2016

Full video: <https://youtu.be/wkcRQF7YhJU>

REI



- REI now offering refillables & refill kits online & at select stores 10/2016



REI Sacramento

Home Depot



- Offering refillables online as of 10/2016!
- Conducting In-Store End-cap Pilot

Home Depot logo | You're shopping in W | Search: What can we help you find today? | My Account | Cart | 0 items

Store Finder | Truck & Tool Rental | Pro Xtra | Gift Cards | Credit Services | Track Order | Help

All Departments | DIY Projects & Ideas | Home Services | Local Ad | Specials & Offers

Thousands of Items Available for Buy Online and Pick Up in Store.

Home / Text Search / propane liquid flame king torches

Showing Results for "propane liquid flame king torches"





4 Items Found | Other propane liquid flame king torches shoppers like to browse by: Price

☐ Shop items in-store at Change Your Store

Price

Set custom price range: to

☐ \$10 - \$20 (2)
☐ \$30 - \$40 (2)

<input type="checkbox"/> Compare	<input type="checkbox"/> Compare	<input type="checkbox"/> Compare	<input type="checkbox"/> Compare
			
Flame King 1 lb. Refillable Propane Cylinder with Refill Kit Model# YSN1LBKT NOT YET RATED	Flame King 1 lb. Refillable Propane Cylinder with Refill Kit 14.1 oz Model# YSN1LBKT14 NOT YET RATED	Flame King 1 lb. Refillable Propane Cylinder 14.1 oz Model# YSN141CYL NOT YET RATED	Flame King 1 lb. Refillable Propane Cylinder Model# YSN164CYL NOT YET RATED
\$39⁹⁷	\$39⁹⁷	\$13⁹⁷	\$13⁹⁷

West Marine & More



- West Marine to offer refillables at **229** locations in the U.S.



- Camping World interested
- Patagonia grant and support



Heidi Sanborn tabling @ Patagonia SF store, 9/24/16

Press



1. [Waste360](#), 8/23/15
2. [Waste Dive](#), 8/28/15
3. [Good Day Sacramento](#), 5/24/15 & 5/29/16
4. [Capital Public Radio](#), 6/3/16
5. [Beyond the Numbers Radio Show](#) – Wall Street Business Network, 7/6/16

refueyourfun.org/news/

Industrial Environmental Association's 2016 Environmental Excellence Award



Award video: <https://www.youtube.com/watch?v=rxQTV-YbU80>



Sam Newman, Flame King; Jordan Wells & Heidi Sanborn, CPSC; Kevin Scofield, U-Haul

What Can You Do to Help?





1. Follow RFYF on Facebook & share posts personally and by organizations
2. Help recruit more propane distributors to sell, refill, & exchange including parks!
3. Host a press event at a local participating retailer <http://refuelyourfun.org/find-retailers-near-you/>
4. Host a cylinder take-back & exchange Utilize customizable campaign materials to promote participating locations including flyers, print ads, etc.

Help Expand REFILLING!



HOME THE PROBLEM AND THE SOLUTION PARTNERS NEWS EVENTS LEARN MORE CONTACT



Save  and the  :
Use refillable propane cylinders!

Promote and link to
www.ReFuelYourFun.org



The Problem – Disposables

Every year in North America, 40 million disposable one-pound propane cylinders are used, with over four million in California alone.* Because of limited, expensive recycling options, the empty cylinders are often disposed of improperly in landfills, dumpsters, household trash, campsites, on the

Select Language

FIND
RETAILERS
NEAR YOU! >>

Locate businesses
where refillable
cylinders can be
purchased,
exchanged and/or
refilled!

REFUEL
YOUR FUN
and SAVE! >>

Find out how you
can save \$ and
the environment
by purchasing
refillables!



Refuel Your Fun
Community

Create Call to Action

Share



Timeline

About

Photos

Likes

More +

559 likes 0 this week



Status



Photo / Video



Offer, Event +

Like, share posts, promote:
facebook.com/RefuelYourFun

Help Us Expand REFILLING!



Information Card



ReFuel Your Fun is a campaign designed to encourage the use of the new refillable one-pound propane gas cylinders.

Each year millions of people camp, hold tailgate barbecue parties and participate in a range of outdoor activities where disposable propane cylinders are used to fuel camp stoves, heaters, lanterns and more. Unfortunately, they can't be refilled, so they're often tossed out.

But there is a solution!

Support ReFuel Your Fun by purchasing, refilling and/or exchanging your one-pound REFILLABLE propane cylinders. The new refillable one-pound cylinders work exactly the same except they can be refilled and safely reused over and over again for up to 12 years. Protect the environment while saving money and reducing the hassle of proper disposal.

For more info on:

- Retail locations
- Costs saving calculations
- The dangers of disposables
- Supporting ReFuel Your Fun

Visit ReFuelYourFun.org

Like us on Facebook:
www.facebook.com/RefuelYourFun

Spread the Word! Tell your friends!

 ReFuelYourFun.org
Funded by a grant from CalRecycle.



You Can Help!

Ask your retailer to sell refillables!

It's as simple as 1 – 2 – 3!

Step 1 - Hand this postcard to your retailer

Step 2 - Let them know about ReFuel Your Fun

Step 3 - Ask them to sell refillable 1-lb propane cylinders or provide exchange or refill services.

That's it! We'll do the rest!

By participating in ReFuel Your Fun, your retailer will be providing a convenient, cost saving product for you to purchase and use that has less environmental impacts.

Retailers will receive free promotion of their service to the community.

Spread the Word! Tell your friends!

 ReFuelYourFun.org
Funded by a grant from CalRecycle.



1 LB. REFILLABLE PROPANE GAS CYLINDERS

choose refillables to save money and the environment



Manufactured and distributed by:



Sponsored by:



Funded by a grant through: 

RefuelYourFun.org

English



CILINDROS DE GAS PROPANO RELLENABLES DE 1 LB

use cilindros rellenables para ahorrar dinero y proteger el medio ambiente



Fabricado y distribuido por:



Patrocinado por:



Financiado con una subvención de: 

RefuelYourFun.org

Spanish

Thank you for your support!



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Connect!

