

Forest Grove Sustainability Commission Mini-Grant Application

Sponsor (organization, school, committee): Forest Grove Farmers Market Waste Center

Contact person: Cecelia Warner

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Project title: One Less Plastic Cup

Amount requested: \$802.41 (210 cups)

A) Mark all of the goals below which your project meets and explain how:

	Goals	How project meets this goal (be clear & specific)
X	Improve the appearance or environmental quality of the community	<p>The Forest Grove Farmers Market Waste Center has collected plastic drink ware for recycling since 2011 until Far West Recycling stopped accepting these items this fall.</p> <p>This is because China is no longer accepting our post-consumer plastic due to its contamination (i.e., unwashed and improperly sorted). Now all of the collected plastics from the Waste Center are headed for the landfill.</p> <p>One Less Plastic Cup will reduce the amount of plastic waste being hauled to the Columbia Ridge Landfill in Arlington, Oregon. When less waste is created, less waste is hauled to the landfill. This will reduce CO² emissions in our air thus improving air quality.</p>
X	Reduce the amount or toxicity of waste	<p>One Less Plastic Cup will reduce the amount of waste from single use plastic cups by giving people an affordable and reusable option: a stainless steel cup. (See attachment A).</p> <p>Also, by offering stainless steel drink ware, cup owners will be protected from toxic chemicals in plastic that can leach into liquid and be ingested. This is particularly true in resin codes 1 (PET) and 5 (PP) cups:</p> <p>Polyethylene terephthalate, PET, can leach antimony trioxide which is used as a catalyst and flame retardant in PET. The longer a liquid is left in a PET container the greater the potential for release. Moreover warm temperatures can increase the release of antimony trioxide into liquid. Antimony trioxide is considered a possible carcinogen.</p> <p>Polypropylene, PP, has been shown to leach additives such as the stabilizing agent oleamide in PP lab ware used in scientific experiments. Oleamide is a skin and eye irritant and corrosive. In water it causes chronic aquatic toxicity.</p>

	(Continued)	Purchasing significantly cheaper plastic cups was considered. (See attachment B). However these contain styrene acrylonitrile (SAN), a known human carcinogen as well as a brain and nervous system toxicant. Indeed the State of California states that styrene may cause birth defects or other reproductive harm.
X	Increase reuse and recycling opportunities	The increased use of the reusable stainless steel cups would reduce the plastic waste we are no longer able to recycle.
X	Result in the preservation or enhancement of wildlife, riparian zones, wetlands, forestlands and marine areas, and/or improve the public awareness and the opportunities to enjoy them.	Reducing single use plastics decreases the potential of littering. If these plastics end up in our rivers, streams, lakes and oceans, they contain oleamide that can cause aquatic toxicity endangering marine life.
	Result in improvement to, or an increase in, recreational areas and programs	N/A
X	Result in improvement in safety	The decreased use of plastic means Farmers Market patrons will have exposure to fewer toxic chemicals present in resin codes 1 and 5.
X	Benefit youth, seniors, low-income persons and/or underserved populations.	Everyone, especially low-income individuals, will benefit from the subsidy the grant provides. Because instead of having to pay the actual cost of the cup, around \$4, people can donate the amount they can afford. Hot food vendors may offer a discount to those who provide their own cup All who own this stainless steel cup will have less exposure to the toxins in plastic meaning a decreased risk of the associated health concerns. Youth can learn early to bring their reusable cup to the Farmers Market. This could form a lifelong habit that may also influence others to live more sustainably.

C) Brief description and explanation of how the CEP funds will be used:

The entire amount will be used to purchase stainless steel reusable cups that say, "One Less Plastic Cup. The cups will be available at the Waste Center for a donation. The cup will belong to the customer who will bring it back every week for refills.

Proposed Schedule:

Project Start Date: November 2017 **Project completion date:** June 2018 (though cups will continue to be distributed until supply is gone)

D) Estimate how many residents will benefit if this project is funded:

In 2016, the Forest Grove Farmers Market attracted 38,799 attendees. That year the Waste Center collected and recycled 1457 single-use plastic drink cups. Since recycling plastic cups is no longer possible, this grant request proposes to prevent the use and disposal of single use plastic cups by providing these 210 reusable ones. Thus, 210 Forest Grove residents will directly and repeatedly benefit by reusing these cups. Others will potentially see the reusable cups and decide to bring their own from home. Encouraging this option will be good because 210 cups will not serve the entire Market-going population.

All 23,080 residents of Forest Grove will also benefit from improved air quality when fewer trucks drive less waste to the landfill.

Who will benefit if this project is funded?

- Reusable cup owners will benefit by less exposure to toxics-emitting plastics.
- Farmers Market hot food vendors will benefit economically if they don't have to purchase single use plastic cups.

Continued

- Residents in and beyond Forest Grove will have better air quality if fewer CO² emitting trucks are driven to and from the landfill.
- Youth will form sustainable habits while they are young. In turn, the youth might inspire their parents and teachers to form more sustainable habits as well.

E) Projected budget: \$802.41

Total estimated cost: \$802.41

How were these costs estimated (quotes, catalog, previous projects, etc.):

I searched the online extensively to find the best price for stainless steel reusable cups. I was unable to locate a comparable item to the one proposed. (See Attachment C and read note regarding Kleen Kanteen).

Categories	Mini-Grant Funds	Sponsor *	Other * (specify)
Personnel Services (explain): My volunteer preparation time (12 hrs.) @ \$23.00/hr. = \$276			My volunteer time \$276
Marketing & Publicity (explain):			
Materials & Supplies (explain): Printing 210 stainless steel pint cups (see attached quote)	\$802.41		
Other (explain):			
Total	\$802.41		\$276

% of total budget provided by sponsor? 0 % contribution

*** In-kind**

F) Name of organizations that will partner or collaborate with this project:

The Forest Grove Farmers Market / Adelante Mujeres, Washington County Solid Waste & Recycling and the Westside Master Recyclers.

G) Is there secure funding for sponsor's share of the total costs including funding from other public or private agencies and what are the sources of funding?

N/A

H) Will the project be completed with the proposed funding or will future funding be necessary?

The project will be completed with the proposed funding.

I) Explain how the project would enhance sustainability in Forest Grove, either economically, environmentally or socially?

- Replacing single-use plastic cups with reusable cups will decrease the amount of solid waste created at the Forest Grove Farmers Market. Reusable cups are more environmentally sustainable, especially when recycling the plastic cups is no longer possible.
- Farmers Market hot food vendors will benefit economically by not having to purchase plastic cups.
- I will work with Adelante Mujeres and the management of the Farmers Market during the 2018 Farmers Market season to gradually phase out all plastic dinnerware. Hot food vendors will only serve food using washable and reusable items.
- The One Less Plastic Cup campaign will be the final component in the durable dinnerware program at the Forest Grove Farmers Market. Since 2011, customers have been able to eat from a real plate using a real fork and a cloth napkin. These reusable cups will mean it is actually possible that a Zero Waste Farmers Market is in Forest Grove's near future.

Attachment A:

Mock up of a 16 oz. "Party Cup" tumbler.



Attachment B:

The alternative plastic cups I found. Note the warning at the end of the page.

WebstaurantStore

Restaurant Equipment | Smallwares | Storage & Transport | Tabletop | Disposables | Furniture | Washing & Laundry | Restaurant Dinnerware | Food & Beverage | Janitorial Supplies | Business Type

WebstaurantStore > Tabletop > Beverageware > Reusable Plastic Beverageware > Plastic Tumblers > Amber Plastic Tumblers > 12 oz. Amber Pebbled Plastic Tumbler - 12/Pack

12 oz. Amber Pebbled Plastic Tumbler - 12/Pack

★★★★★ Read 21 reviews Item #: 2715212AM



QUANTITY DISCOUNTS! Buy in lots of 6: **\$5.16/Pack**
Regularly: **\$5.59/Pack**

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Other Available Colors:



✓ Made of impact-resistant SAN plastic
✓ Features an attractive pebbled exterior

Details

Add style and the convenience to your establishment with this 12 oz. amber pebbled plastic tumbler! Made of break-resistant SAN plastic, this tumbler is stain-, break-, and chip-resistant for long lasting use. The tapered sides and interior stacking lugs create convenient storage options and allow the tumbler to dry quickly.

Featuring an attractive pebbled exterior, this tumbler offers an improved grip and elevated level of scratch-resistance. The smooth edge around the top also ensures comfortable sipping. Thanks to its sturdy design, this tumbler balances on counters, tabletops, and trays. It also withstands temperatures up to 176 degrees Fahrenheit and it's easy to clean.

Overall Dimensions:

Top Diameter: 3"

Bottom Diameter: 2 1/8"

Height: 5"

Capacity: 12 oz.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SPECS	
Height	5 Inches
Bottom Diameter	2 1/8 Inches
Top Diameter	3 Inches
Capacity	12 oz.
Color	Amber
Dishwasher Safe	Yes
Material	SAN Plastic
Microwavable	Yes
Shape	Round
Stackable	Yes
Style	Pebbled
Type	Tumblers

Customer questions about this product

Are beverageware capacities an exact liquid measurement?

Beverageware capacities are stated in ounces and are an approximate maximum capacity based off of an industry standard size. They are not to be used as a standard of measure for serving capacity.

Estimate from the company that has these cups on sale, is waiving the set up fee and is giving me a 12% discount.



1-877-368-5678 sales@anypromo.com

Instant Quote

Date: 11/06/2017 (This quote expires 11/13/2017)

Item #: 742568

Item Name: [Promotional 16oz Stainless Steel Party Cup](#)

Production*

Order Processing: 1 - 2 Days
 Production Time*: 3-Day Service
 Need no later than: ASAP

* excludes weekends & holidays

Shipping

Olsens Bicycle
 ATTN: Cecilia Warner
 1904 ELM ST
 STE 1
 FOREST GROVE, OR 97116

Ship Via:
 UPS/FedEx Ground



QTY	Item	Price	Total
Product Options:			
210	#742568	\$4.05	
210	Color: Red	\$0.00	\$850.50
Surface, Screen Print (Side):			
<input type="checkbox"/> White			
210	Run	\$0.00	
1	Setup	\$0.00	\$0.00
Discount:			
1	Coupon	-\$102.06	-\$102.06
			Subtotal: \$748.44
			Shipping: \$53.97
			TOTAL: \$802.41

If you are ready to proceed with your order, please click the following link:

<https://www.anypromo.com/CustomerQuoteDetail.aspx?generateorder=true&sysno=458162&pass=55f52c00-b93a-44c3-b8d7-07b3b5deccc5>

Alternatively, please fill out and fax to: **909-628-3696**

Credit Card#: _____ -- _____ -- _____ -- _____

Expire: ____/____/____ Name on Card: _____

Card Validation Number: _____ (last 3-digit number on signature strip on back of card)

Credit Card Billing Address: _____

City _____ State _____ Zip _____

Signature: _____ Date: _____

* Shipping cost is an estimated cost and is subject to change. Estimates may also slightly vary depending on the shipping location, fuel cost & location types and over/under runs. Shipping is billed at time of shipment. Please contact customer service with any questions about shipping.

* Over/under runs charges are billed at time of shipment. Please review the FAQ page for details.

Attachment D:

I could not find the exact product from another manufacturer. Nevertheless, here are links showing other stainless steel tumblers available.

Kleen Kanteen:

<https://www.kleankanteen.com/collections/cups-tumblers/products/stainless-steel-pint-cup-16oz?variant=38927054540>

(I did not hear back from Kleen Kanteen with a final quote before submitting this proposal. It is possible they might have a very competitive price and we might choose to go with them. It would not look the same but they are a great company with a high quality product we could decide to support).

Discount Mugs (22 oz. mason jar with lid and straw):

[https://www.discountmugs.com/product/tm287-22oz-stainless-steel-mason-jar-with-plastic-straw/?quantity=1&print_method=sample&utm_medium=cpc&utm_term=TM287-Sample-1&utm_content=94593154461&utm_source=google&utm_campaign=\[ADL\]+\[PLA\]+\[Shopping\]+-+Brand/Overlaps&utm_device=c&k_clickid=95bad7c3-084f-448f-8f49-54f67f76d482&i=1&gclid=CjwKCAiA0IXQBRA2EiwAMODil6-i9NPpnavkRdlcUxloUU8-LF_8YAEk32RhXThXV97z-Rr6YQKjyhoC41EQAvD_BwE&kwid=productads-adid%5E94593154461-device%5Ec-plaid%5E144726418581-sku%5ETM287@ADL4Sample@ADL41-adType%5EPLA](https://www.discountmugs.com/product/tm287-22oz-stainless-steel-mason-jar-with-plastic-straw/?quantity=1&print_method=sample&utm_medium=cpc&utm_term=TM287-Sample-1&utm_content=94593154461&utm_source=google&utm_campaign=[ADL]+[PLA]+[Shopping]+-+Brand/Overlaps&utm_device=c&k_clickid=95bad7c3-084f-448f-8f49-54f67f76d482&i=1&gclid=CjwKCAiA0IXQBRA2EiwAMODil6-i9NPpnavkRdlcUxloUU8-LF_8YAEk32RhXThXV97z-Rr6YQKjyhoC41EQAvD_BwE&kwid=productads-adid%5E94593154461-device%5Ec-plaid%5E144726418581-sku%5ETM287@ADL4Sample@ADL41-adType%5EPLA)

Quality Logo Products (silver):

https://www.qualitylogoproducts.com/custom-cups/stainless-pint-glass.htm?variant=BLANK&feed=google&gclid=Cj0KCQiArYDQBRDoARIsAMR8s_SXMNOCaFunuS9G8M6tALPd4fX-Hr5sWwmBrHATYPMQEQkl_UcmXT0aAoaIEALw_wcB

Quality Logo Products (black):

<https://www.qualitylogoproducts.com/custom-cups/stainless-pint-glass-color-16oz.htm>

Web Restaurant Store:

<https://www.webrestaurantstore.com/vollrath-68520-12-oz-stainless-steel-tumbler/92268520.html>