

# COMPOST

AT YOUR

# COMPLEX



Call (425) 587-3812 or e-mail [recycle@kirklandwa.gov](mailto:recycle@kirklandwa.gov) for all your recycle, compost, and trash questions.

Icons by Edward Boatman, Thomas Hirter, Chok Hernandez from the Noun Project. Apple by Stuart Webster.

## WHY COMPOST?

### REDUCE WASTE DISPOSAL COSTS

- ▶ Food scraps = 20% of multifamily waste
- ▶ Average King County family throws out 475 lbs. of food each year
- ▶ Composting food waste is free
- ▶ With less trash, switch to a smaller (cheaper) garbage bin or reduced service

### REDUCE YOUR ENVIRONMENTAL FOOTPRINT

- ▶ Food waste scraps are turned into compost, a useful fertilizer
- ▶ Food scraps in landfills produce methane, a potent greenhouse gas 20x stronger than CO<sub>2</sub>

## SETUP FOR SUCCESS

60 condos and apartments in Kirkland compost their food waste. We make it easy for you by providing everything you need for free.

### READY FOR COMPOST SERVICE?

Contact us to get started! You can reach us at (425) 587-3812 or [recycle@kirklandwa.gov](mailto:recycle@kirklandwa.gov).

## COMPOSTING FAQS

Q Will my cart smell or attract rodents?



A No. Our sturdy carts keep out rodents. We provide resident training to ensure carts are used correctly. Waste Management lines carts with a BioBag to keep it clean and prevent odors.

Q Will the food scrap bin in residents' condos smell?



A No, not if food scraps are stored properly. We provide free bins for food scrap storage. The key to preventing odors is keeping the bin clean and dry. Line the bin with a BioBag or a paper towel (not a plastic bag), or rinse it after emptying. Scraps can also be stored in the freezer to prevent smell. Empty the bin regularly.

Q Does composting cost extra?



A No, composting can actually lower your garbage bill! Composting service is provided at no extra cost. By throwing less away, you may be able to switch to a smaller trash can.



# Free Recycling Available at all Kirkland Apartments and Condominiums!

- FREE RECYCLING BASKETS
- FREE WASTE ASSESSMENTS
- FREE EDUCATION AND OUTREACH
- FREE PRESENTATIONS, MATERIALS, AND SIGNAGE



Need recycling at your complex? How about additional recycling carts, larger recycling containers or additional recycling collection days?

The City of Kirkland provides all types of recycling assistance and education programs designed to help property managers to encourage their residents to recycle more stuff. Recycling is not only good for the environment, it saves money.

## SAVE MONEY WITH RECYCLING

Educating Kirkland multifamily residents to put recyclables in the recycling container can help reduce the need for large trash dumpsters. Reducing the size of trash dumpsters reduces costs. Here is one example:



## THE CITY OF KIRKLAND'S RECYCLING PROGRAM IS EASY AND CONVENIENT

To help your residents recycle more stuff, we are offering FREE personal recycling containers to all Kirkland multifamily property managers and condo associations for distribution to your residents (while supplies last). These durable containers fit nicely underneath sinks and provide an easy-to-carry option for taking recyclables out to the large recycling containers.



All clean and empty recyclables go in to the recycling container including Clean Paper & Newspaper, Cardboard, Glass Jars & Bottles, Cans, Plastic Bottles, Jugs, Cups, & Tubs.

Call the City of Kirkland's Recycling Program for more information: (425) 587-3812 or email us at [recycle@kirklandwa.gov](mailto:recycle@kirklandwa.gov). Our staff is happy to come out and talk with you and help you design a recycling program that works best for your complex.



[www.kirklandwa.gov/recycle](http://www.kirklandwa.gov/recycle) or [wmnorthwest.com/kirkland](http://wmnorthwest.com/kirkland)

Twitter: @KirklandEnviro

Facebook: Kirkland Environmental Services



THINK GREEN.™

Example

## Solid Waste Service Proposal For:

Site Address

### Property Description:

**Site Name** is an apartment property with 88 units. Garbage and recycling collection is provided at four separate sites without enclosures. Four, 4-cubic yard dumpsters are used to collect garbage and 12, 96-gallon carts are used to collect recyclables.

### Current Garbage and Recycling Services:

A map and photo of each site are included as attachments to this proposal.

Site Name - Garbage and Recycling Service (Current)							
Garbage Service							
Site	# Cont	Cont Size	Unit	Serv Day	Serv Days/Wk	Garb Vol/Wk (yds)	Cost/Month
1	1	4	yd	Mon/Thurs	2	8	\$354.55
2	1	4	yd	Mon/Thurs	2	8	\$354.55
3	1	4	yd	Mon/Thurs	2	8	\$354.55
4	1	4	yd	Mon/Thurs	2	8	\$354.55
						32	\$1,418.20

Recycling Service							
Site	# Cont	Cont Size	Unit	Serv Day	Serv Days/Wk	Rec Vol/Wk (yds)	Cost/Month
1	3	0.475	yd	Thurs	1	1.425	Free
2	3	0.475	yd	Thurs	1	1.425	Free
3	3	0.475	yd	Thurs	1	1.425	Free
4	3	0.475	yd	Thurs	1	1.425	Free
						5.7	\$0.00

Recycling Rate 15.12%

The preferred recycling rate is 50% or 1 cubic yard/gallon of recycling for every cubic yard/gallon of garbage

### Walkthrough Results

On April 22, 2009 a walkthrough of the site was conducted by John MacGillivray, Kirkland Solid Waste Coordinator. The results of the walkthrough can be found below. The walkthrough was conducted on the day before the next garbage service day. There is not enough recycling capacity provided on the property and much of the material disposed of as

Example

garbage could have been recycled. The recycling containers were serviced two days prior to the walkthrough and most were already full.

Site Name Walkthrough Results - Wed - April 22, 2009		
Site	Garbage (Serv Days - Mon/Thurs)	Recycling (Serv Day - Mon)
1	One (1) 4-cubic yard dumpster. Container was 1/4 full with some recyclables in garbage.	Three (3) blue 96-gallon recycling carts. Two carts full and one cart empty.
2	One (1) 4-cubic yard dumpster. Container 1/2 full with some recyclables in garbage.	Three (3) blue 96-gallon recycling carts. Two carts full and one cart 1/2 full.
3	One (1) 4-cubic yard dumpster. Container 1/2 full. At least 1/2 of material in dumpster was recyclable. Quite a bit of cardboard.	Three (3) blue 96-gallon recycling carts. Two carts full and one cart 1/4 full.
4	One (1) 4-cubic yard dumpster. Container less than 1/4 full and almost all of the material was recyclable. A large TV was also in the dumpster.	Three (3) blue 96-gallon recycling carts. All three carts full with one of the carts full due to a large cardboard box.

#### Service Change Proposal

On April 28, 2009 a second walkthrough of the property was conducted with a Waste Management route manager to discuss potential options to increase recycling capacity and/or decrease garbage capacity.

Currently, **Site Name** currently pays \$1,412.20 per month for garbage service. Based upon the observations during the April 22 site visit, **Site Name** is paying for unused garbage capacity (air) and much of the material being disposed of as garbage is recyclable. By decreasing garbage capacity and increasing recycling capacity, **Site Name** can save a significant amount of money per month on garbage services.

**Site Name** uses cart-based collection for recyclables. Cart collection is problematic at multifamily properties where cardboard boxes and other bulky recyclables are often not broken down by tenants which reduces usable recycling capacity. Replacing carts with dumpsters alleviates this issue.

Recycling service in Kirkland is free and is embedded within the garbage rates. Properties can get up to 150% the size of their subscribed garbage capacity in free recycling. For instance, Evergreen Villa currently subscribes to 32 cubic yards of garbage service per week which makes you eligible to receive up to 48 cubic yard of free recycling per week!

Example

**Proposal 1**

*This proposal would increase the recycling capacity on the property by over 12 cubic yards per week and increase the recycling rate to 36%. The current garbage service would not be changed. The addition of the rolling recycling dumpsters at Sites 2, 3, and 4 would result in a monthly rollout fee of \$25.90 each for a monthly total rollout fee of \$77.70.*

*The net cost of selecting this option would be \$77.70/month or \$932.40/year.*

**Proposal 2**

*This proposal would increase the recycling capacity on the property by over 12 cubic yard per week and increase the recycling rate to 43%. The existing four, 4-cubic yard garbage containers serviced twice per week would be replaced with a 6-cubic yard container at each site to be serviced once per week. The garbage capacity would be reduced from 32 cubic yards per week to 24 cubic yards per week. The addition of the three rolling recycling dumpsters at Sites 2, 3, and 4 would result in a month rollout fee of \$25.90 each for a monthly total rollout fee of \$77.70.*

*The net savings in selecting this option would be \$479.10/month or \$5,749.20/year on garbage services.*

**Proposal 3**

*This proposal would increase the recycling capacity on the property by over 12 cubic yard per week and increase the recycling rate to 53%. The existing four, 4-cubic yard garbage dumpers would remain in place but would be serviced only once per week instead of twice per week. The garbage capacity would be reduced from 32 cubic yard per week to 16 cubic yards per week. The addition of the three rolling recycling dumpsters at Sites 2, 3, and 4 would result in a month rollout fee of \$25.90 each for a monthly total rollout fee of \$77.70.*

*The net savings in selecting this option would be \$766.58/month or \$9,198.96/year on garbage services.*

**Recommendation**

City staff recommends **Site Name** strongly consider implementing **Proposal 2**. There is currently too much unused garbage capacity on the property and a reduction to 24 cubic yards per week is more than adequate to meet the needs of the property while still resulting in a significant monthly and annual savings. The upgrade of the recycling services will also result in the reduction of garbage.

Additionally, City staff recommends the following:

- Monitor garbage levels for the first three months to determine if garbage production has decreased and if the new capacity is excessive. If it is excessive, consider implementing Proposal 3 to further downsize service and increase savings
- Distribute free City-provided personal recycling containers to tenants filled with information on recycling. Availability of containers in 2009 is limited.

**Example**

- Consider conducting educational outreach to tenants on the service changes. You could select some of the following methods:
  - Community meeting/presentation
  - Memo/newsletter
  - Notice on doors
  - Notice on enclosures by all dumpsters

<b>Proposal 1</b>							
<b>Site Name - Garbage and Recycling Service</b>							
<b>Garbage Service</b>							
Site	# Cont	Cont Size	Unit	Serv Day	Serv Days/Wk	Garb Vol/Wk (yds)	Cost/Month
1	1	4	yd	Mon/Thurs	2	8	\$354.55
2	1	4	yd	Mon/Thurs	2	8	\$354.55
3	1	4	yd	Mon/Thurs	2	8	\$354.55
4	1	4	yd	Mon/Thurs	2	8	\$354.55
						32.0	\$1,418.20

<b>Recycling Service</b>							
Site	# Cont	Cont Size	Unit	Serv Day	Serv Days/Wk	Rec Vol/Wk (yds)	Cost/Month
1	1	6	yd	Mon	1	6	Free
2	1	4	yd	Mon	1	4	\$25.90
3	1	4	yd	Mon	1	4	\$25.90
4	1	4	yd	Mon	1	4	\$25.90
						18.0	\$77.70

Rollout fee  
Rollout fee  
Rollout fee

Recycling Rate 36.00%

Net savings/mo **-\$77.70**

Net savings/year **-\$932.40**

The preferred recycling rate is 50% or 1 cubic yard/gallon of recycling for every cubic yard/gallon of garbage

Example

Proposal 2							
Site Name - Garbage and Recycling Service							
Garbage Service							
Site	# Cont	Cont Size	Unit	Serv Day	Serv Days/Wk	Garb Vol/Wk (yds)	Cost/Month
1	1	6	yd	Thurs	1	6	\$254.20
2	1	6	yd	Thurs	1	6	\$254.20
3	1	6	yd	Thurs	1	6	\$254.20
4	1	6	yd	Thurs	1	6	\$254.20
						24.0	\$1,016.80

Recycling Service							
Site	# Cont	Cont Size	Unit	Serv Day	Serv Days/Wk	Rec Vol/Wk (yds)	Cost/Month
1	1	6	yd	Mon	1	6	Free
2	1	4	yd	Mon	1	4	\$25.90
3	1	4	yd	Mon	1	4	\$25.90
4	1	4	yd	Mon	1	4	\$25.90
						18.0	\$77.70

Rollout fee  
Rollout fee  
Rollout fee

Recycling Rate 42.86%

Net savings/mo **\$479.10**

Net savings/year **\$5,749.20**

The preferred recycling rate is 50% or 1 cubic yard/gallon of recycling for every cubic yard/gallon of garbage

Example

Proposal 3							
Site Name - Garbage and Recycling Service							
Garbage Service							
Site	# Cont	Cont Size	Unit	Serv Day	Serv Days/Wk	Garb Vol/Wk (yds)	Cost/Month
1	1	4	yd	Mon/Thurs	1	4	\$182.33
2	1	4	yd	Mon/Thurs	1	4	\$182.33
3	1	4	yd	Mon/Thurs	1	4	\$182.33
4	1	4	yd	Mon/Thurs	1	4	\$182.33
						16.0	\$729.32

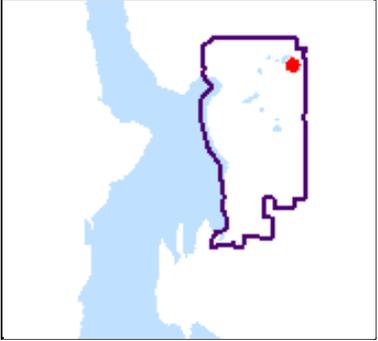
Recycling Service							
Site	# Cont	Cont Size	Unit	Serv Day	Serv Days/Wk	Rec Vol/Wk (yds)	Cost/Month
1	1	6	yd	Mon	1	6	Free
2	1	4	yd	Mon	1	4	\$25.90
3	1	4	yd	Mon	1	4	\$25.90
4	1	4	yd	Mon	1	4	\$25.90
						18.0	\$77.70

Rollout fee  
Rollout fee  
Rollout fee

Net savings/mo **\$766.58**  
Net savings/year **\$9,198.96**

Recycling Rate 52.94%

The preferred recycling rate is 50% or 1 cubic yard/gallon of recycling for every cubic yard/gallon of garbage



15.1% Recycling Rate  
88 unit condo

Approximate  
Scale 1:907  
1 in = 76 ft

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Site 1



Site 2



Site 3



Site 4

## Solid Waste Services Reconfiguration Proposal

Woodside Terrace Condominiums – 12730 NE 116<sup>th</sup> Lane, Kirkland WA 98034

### Property Description

The Woodside Terrace condominiums property has ten buildings with a total of ~132 individually-owned units.

### Current Garbage and Recycling Services

Garbage and recycling services are currently provided at five different enclosure stations located throughout the property as shown in the attached map and photos. Per a Waste Management service level report, garbage service is provided with six, 6-yard dumpsters, one, 8-yard dumpster and 28, 96-gallon recycling carts distributed among the five stations. All of the recycling carts are stored outside of the enclosures. The actual service levels below are based upon field observations:

<b>Woodside Terrace Garbage and Recycling Service (Current)</b>						
<b>Garbage Service</b>						
Cont #	Cont Size	Unit	Serv Day	Serv Days/Wk	Garb Vol/wk/yds	Approx Cost/Mo
1	6	yard	Thurs	1	6	\$239.56
2	6	yard	Thurs	1	6	\$239.56
3	6	yard	Thurs	1	6	\$239.56
4	6	yard	Thurs	1	6	\$239.56
5	6	yard	Mon/Thurs	2	12	\$479.12
6	6	yard	Mon/Thurs	2	12	\$479.12
7	8	yard	Thurs	1	8	\$295.05
					56	\$2,211.53

<b>Recycling Service</b>						
Station #	# of Cont	Cont Size	Unit	Serv Day	Serv Days/wk	Rec Vol/wk/yds
1 & 2	6	96	gal	Thurs	1	2.9
3	3	96	gal	Thurs	1	1.4
4	3	96	gal	Thurs	1	1.4
5 & 6	6	96	gal	Thurs	1	2.9
7	4	96	gal	Thurs	1	1.9
					22	10.5

Recycling Rate = 18.7%

\*\*Recycling rate should be 50% or greater

### Recycling Program and Walkthrough

In April 2008, Woodside Terrace contacted the City of Kirkland and requested recycling containers. At a May 2008 presentation to the condo ownership board, City staff delivered 131 recycling containers along with recycling and conservation educational materials. At that meeting, residents

discussed issues with recycling capacity and the recycling containers filling up due to resident not breaking down boxes. A follow-up waste assessment walkthrough was conducted by City staff on Wednesday, July 16 (the day before regular weekly service) to ascertain and confirm service levels and observe garbage and recycling container usage and contamination. In general terms, there is too much garbage volume and not enough recycling volume. Additionally, the use of carts instead of dumpsters for recycling service is causing the recycling carts to fill up too quickly and is exacerbating the out of balance recycling to garbage volume ratio.

<b>Woodside Terrace Condominiums</b>			
Waste Assessment Results			
<b>Cont #</b>	<b>Type</b>	<b>Pct Full</b>	<b>Contamination Pct</b>
1	Garb	90%	<10%
2	Garb	50%	<10%
1 & 2	Rec	100%+	<10%
3	Garb	50%	20%
3	Rec	100%+	<10%
4	Garb	50%	25%
4	Rec	100%+	<10%
5	Garb	<10%	0
6	Garb	50%	<10%
5 & 6	Rec	100%+	<10%
7	Garb	75%	<5%
7	Rec	80%	<5%

\*\*Contamination percentage refers to either the amount of recyclable materials in garbage or garbage in recycling

### Comments and Recommendations

Details of the service recommendation are included in the proposal. Specific recommendations and comments include:

- Removal of all carts at Sites 1&2, 3, 4, and 5 & 6
- Retain recycling carts at Site 7 due to space restrictions
- Request all gray carts at Site 7 be replaced with blue recycling carts
- Double the number of recycling carts to eight at Site 7
- Build new enclosures at Sites 3 & 4 for accommodate new recycling dumpsters
- Request site visit from Waste Management to seek pre-approval for new enclosures at Sites 3 & 4 – Customer Service (800) 592-9995
- Install signage to distinguish garbage from recycling container
- Install signage to discourage dumping of mattresses, furniture, etc
- Monitor garbage levels for first month to ensure adequate capacity has been provided in service level change
- Implementation of this proposal could result in a monthly savings of about \$560 and a yearly savings of over \$7,000
- Implementation of this proposal will result in an increase in the recycling rate from 19% to 53%

- Conduct outreach to tenants on these changes. Could choose a few of the following methods:
  - Meeting/presentation
  - Memo
  - Notice on door
  - Table a booth near entrance for a few hours on “kick off” day
  - Notices on enclosures by all dumpsters
  - Onsite evaluation of materials.

## Container Site Locations



Site 1 & 2



Site 5 & 6



Site 3



Site 7



Site 4

### Woodside Terrace Condominiums

#### Solid Waste and Recycling Reconfiguration Proposal

##### Current Service

Site #	Garbage						Recycling				
	Garb Cont Size/yd	Garb Cont #	Serv Day	Serv Days/wk	Garb Vol/wk	Cost/mo	Rec Cont Size/yard	Rec Cont #	Serv Day	Serv Days/wk	Rec Vol/wk/yds
1 & 2	6	2	Thurs	1	12	\$479.12	0.475	6	Thurs	1	2.9
3	6	1	Thurs	1	6	\$239.56	0.475	3	Thurs	1	1.4
4	6	1	Thurs	1	6	\$239.56	0.475	3	Thurs	1	1.4
5 & 6	6	2	Mon/Thurs	2	24	\$958.24	0.475	6	Thurs	1	2.9
7	8	1	Thurs	1	8	\$295.05	0.475	4	Thurs	1	1.9
	32	7			56	\$2,211.53	2.4	22			10.5

##### Proposed Service

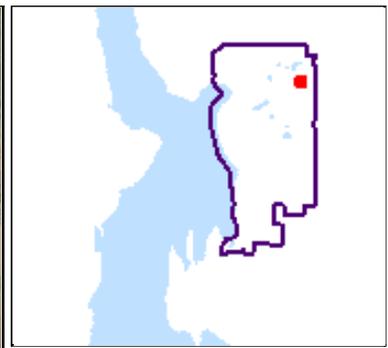
Site #	Garbage						Recycling				
	Garb Cont Size/yd	Garb Cont #	Serv Day	Serv Days/wk	Garb Vol/wk	Cost/mo	Rec Cont Size/yard	Rec Cont #	Serv Day	Serv Days/wk	Rec Vol/wk/yds
1 & 2	8	1	Thurs	1	8	\$295.05	8	1	Thurs	1	8.0
3	4	1	Thurs	1	4	\$183.07	6	1	Thurs	1	6.0
4	4	1	Thurs	1	4	\$183.07	6	1	Thurs	1	6.0
5 & 6	6	1	M/W/F	3	18	\$668.58	8	1	M/W/F	3	24.0
7	8	1	Thurs	1	8	\$295.05	0.475	8	Thurs	1	3.8
	30	5			42	\$1,624.82	28.5	12			47.8

Recycling Rate = 53.2%

Estimated monthly savings from current to proposed = \$568.71

Estimated yearly savings from current to proposed = \$7,040.52

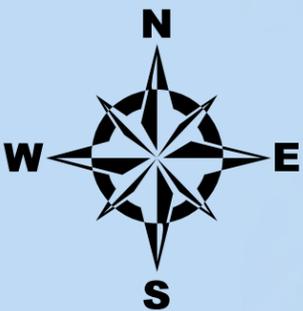
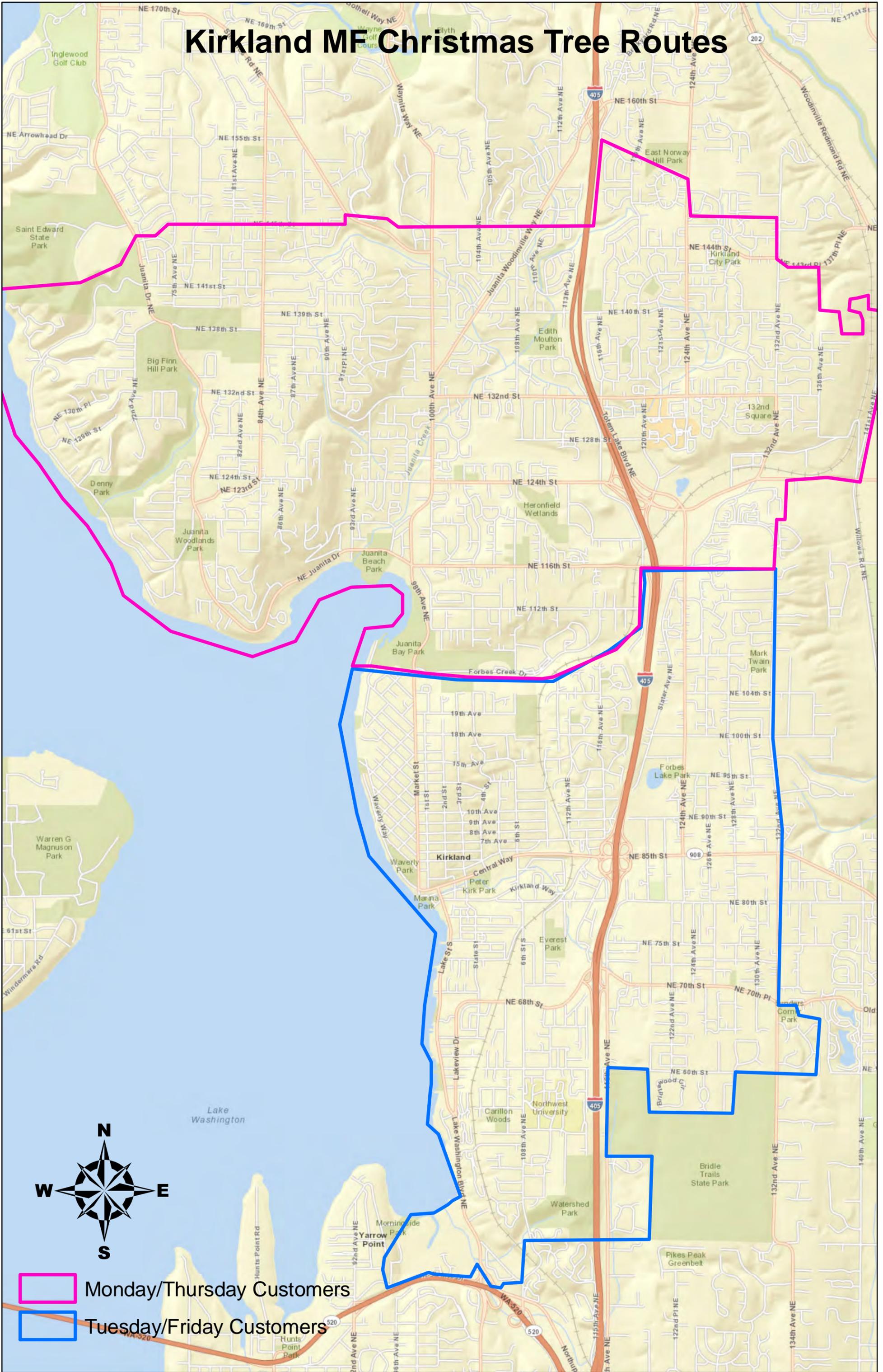
\*\*All cost estimates are based upon the 2008 Kirkland Solid Waste Rates and do not include taxes and any other service fees. Actual costs and savings may vary.



Approximate  
 Scale 1:1,255  
 1 in = 105 ft

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# Kirkland MF Christmas Tree Routes



-  Monday/Thursday Customers
-  Tuesday/Friday Customers