ITEM FIVE

MIAMIBEACH

City of Miami Beach, 1700 Convention Center Drive, Miami Beach, Florida 33139, www.miamibeachfl.gov

COMMITTEE MEMORANDUM

TO: Finance and Citywide Projects Committee

FROM: Kathie Brooks, Interim City Manager

DATE: June 9, 2012

SUBJECT: **Discussion of Establishing New Recycling Bins**

BACKGROUND

At the May 17, 2012, Finance and Citywide Projects Committee (FCWPC) the Committee reviewed the Euclid Circle ROW recycling bin demonstration. The Committee recommended that during FY 2012/13 budget discussion, staff determine the number and locations of recycling bins that are needed in the Right-of-Way (ROW), and present a cost comparison for the current City silver bin, the Coca-Cola recycling bin, and/or the Big Belly recycling bin.

ISSUE FOR DISCUSSION

The issue for the Committee's consideration and discussion is the purchasing of new recycling bins.

Current Right-of-Way Recycling Program

Since 2009, the City installed 74 dual recycling bins and 63 silver urban style stand-alone recycling bins throughout the City's ROW, beach entrances, and in select parks. The silver urban bins were financed through negotiations with the City's franchise waste haulers and have been installed in select locations throughout the City's entertainment districts. In addition, through these negotiations, the City's franchise waste haulers provide in-kind solid waste and recycling pick-up Citywide. Waste haulers service the ROW waste bins on a regular schedule to ensure a high level of service in City parks, beach entrances and ROW locations. The City only services the ROW bins along Lincoln Road and Ocean Drive.

As part of the Coca-Cola partnership agreement, Coca-Cola is developing signage and wraps to be installed on all the existing recycling bins in order to improve recycling rates. All existing recycling bins and all future recycling bins to be purchased by the City would include this updated recycling message, to create a uniform design throughout the City.

Proposed Recycling Bin Options and Pilot Programs

The Sustainability Committee believes that the City should consider improving the design of the recycling bins currently deployed throughout the City. In addition, it has been recommended that placing a recycling bin next to a trash bin will improve recycling rates in the ROW.

Attachment A provides a breakdown of the 250 locations in high pedestrian corridors where green trash bins are installed. Of the 250 locations, 63 currently have the City's silver recycling bins. In total, there are 24 City silver recycling bins installed at Lincoln Road, 12 at Ocean Drive, and 16 at Washington Avenue.

Coca-Cola has designed a stand-alone recycling bin with die-cut recycling message. In the Euclid Circle demonstration project, Coca-Cola's bin was the most successful prototype, having the least of amount of cross contamination and highest rate of recyclables present. Coca-Cola has agreed to provide 19 of their new recycling bins to be installed on Lincoln Road, once a final prototype is approved by the City. The City continues discussions with Coca-Cola for an additional 24 new Coca-Cola recycling bins to complete the 43 required to cover the entire Lincoln Road Corridor.

Big Belly Solar offers a solar powered dual trash compactor and recycling bin. However, the dual Big Belly Solar bin cannot be installed in our standard five-foot wide sidewalks as they would not leave enough space to provide compliance with ADA standards. For the purpose of this comparison, only the stand-alone Big Belly recycling bin costs are represented. This unit does not include the solar compaction feature. The Big Belly unit includes software to monitor the units wirelessly allowing tailored collection service. This software will not create an operational advantage for the City because the City only services the ROW bins along Lincoln Road and Ocean Drive.

Attachment B shows pictures of the three types of recycling bins being considered.

COST-BENEFIT ANALYSIS

Staff has developed three potential deployment options: Lincoln Road, Entertainment Districts (including Lincoln Road), and Citywide replacement. Attachment C, D, and E illustrate these options and compares the cost per bin and total capital cost of each style recycling bin.

The cost per bin is approximately $1,200 for the current silver recycling bin, $800 for the bin designed by Coca-Cola, and $2,800 for the Big Belly standalone recycling bin. Coca-Cola has committed to provide 19 bins to be installed along Lincoln Road, at no cost to the City. In addition, Coca-Cola will be providing improved signage for the 63 existing silver recycling bins. Under all three deployment options, the Coca-Cola recycling bin is the most cost efficient model.

Staff recommends that the ROW Recycling Bin Program be phased, first with the Lincoln Road Coca-Cola Recycling Bin Pilot Program. If the new bins are successful, the City will purchase an additional 83 to deploy throughout the entertainment districts. The existing 52 bins silver bins currently located in these districts can be repositioned along identified high pedestrian areas.

The design of the Coca-Cola recycling bins for a pilot project on Lincoln Road will have to be reviewed and approved by the Historic Preservation Board. If the city decides to install Coca-Cola recycling bins City-wide, they will have to be reviewed and approved by both the Design Review Board and Historic Preservation Board.

CONCLUSION

The Euclid Circle ROW recycling bin demonstration, the above information, and the attachments are provided to facilitate the discussion by members of the committee.
Attachments:

A: Existing and Proposed Recycling Locations
B: ROW Recycling Bin Examples
C: Option A: Lincoln Road
D: Option B: Entertainment District Option
E: Option C: Full Replacement Citywide Option

JGG/FHB/JJF/RWS/ESW

F:\WORK\$ALL\(1) EMPLOYEE FOLDERS\FIORELLA SARMIENTO\ROW Recycling FCWPC Memo_07.05.12_FINAL.docx

		Corridor	Waste Service Provider	Existing	Additional (proposed)	Total
Citywide Full Replacement	Entertainment District	Lincoln Rd	City of Miami Beach - Sanitation Division	24	19	43
		Ocean Dr South Point to 15th	City of Miami Beach - Sanitation Division	12	6	18
		Collins Ave South of 23rd St	Waste Management	0	19	19
		Washington Ave	Waste Management	18	14	32
		5th street	Waste Management	0	16	16
		17th Street City hall	Waste Management	6	0	6
		South Pointe Drive	Waste Management	2	8	10
		West Ave	Waste Management	0	6	6
		Alton Rd to 17th	Waste Management	0	21	21
		Purdy Ave Section	Waste Management	0	8	8
		Collins Ave 27,29, 64th to 76th	27 & 29 (WSI); 64 – 76 (Choice Environmental)	0	23	23
		41st Street	WSI	0	20	20
		71st and Normandy Drive	Choice Environmental	0	20	20
		South Point Park	Waste Management	1	0	1
		Sound Scape Park (Not City Bins)	Waste Management	7	0	7
		Fairview Park (Not City Bins)	Choice Environmental	3	0	0
		North Shore at 85th St (Not City Bins)	Choice Environmental	1	0	0
		TOTAL		**74**	**180**	**250**

Attachment A

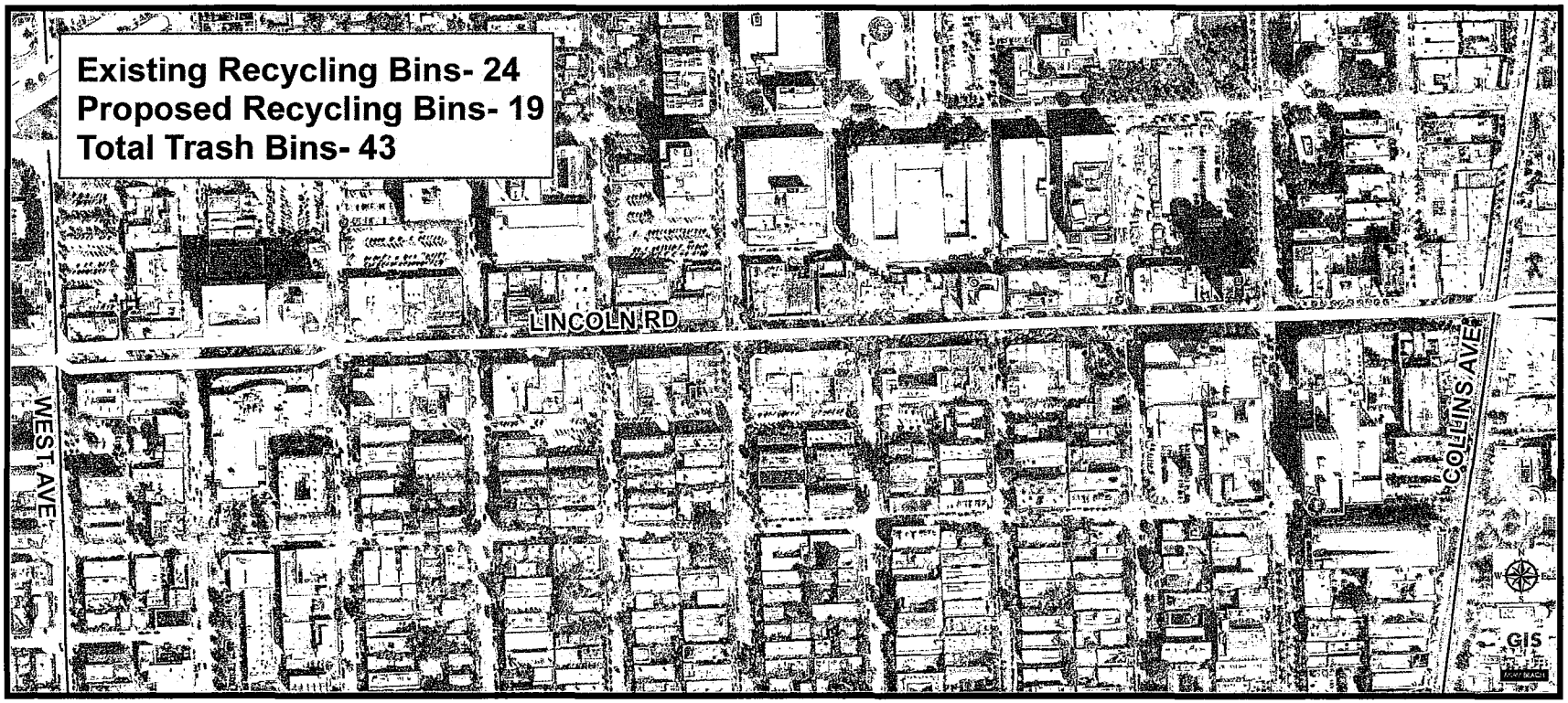
Coca-Cola

City of Miami Beach

Big Belly Solar

Attachment B

Lincoln Road Pilot Program

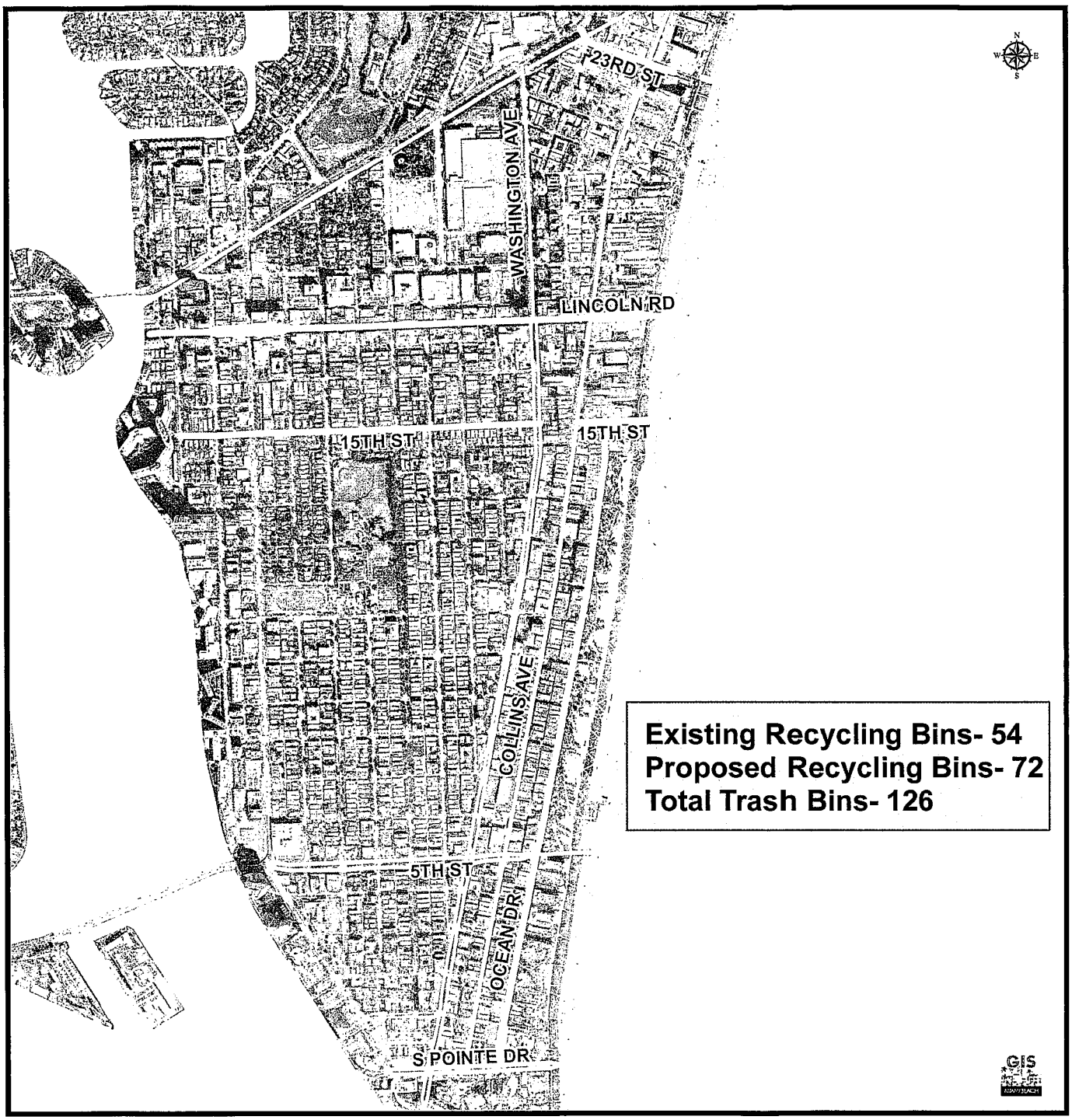


Option A	Lincoln Road	Current Silver Bin	Coca-Cola Bin	Big Belly Recycling Bin
Lincoln Road Pilot Program	Per Bin Cost	$1,200.00	$800.00	$2,800.00
	Number bins needed to purchase in order to have 19 needed on Lincoln Road	19	24	43
	Capital Cost	**$22,800.00**	**$19,200.00**	**$120,400.00**

**Coca-Cola has agreed to provide 19 recycling bins for Lincoln Road.

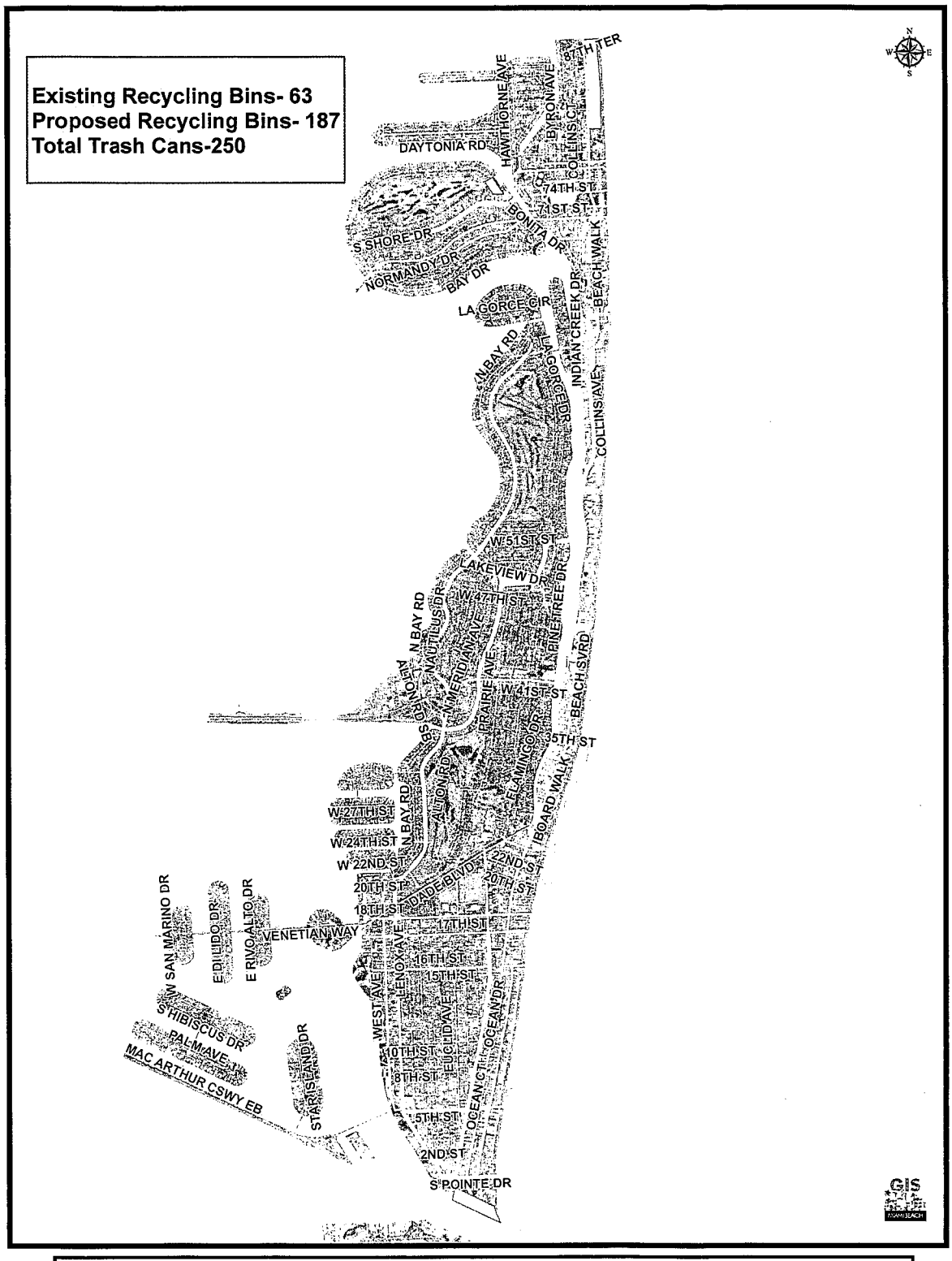
Attachment C

Entertainment District Replacement



Option B	Entertainment District Replacement	Current Silver Bin	Coca-Cola Bin	Big Belly Recycling Bin
Entertainment District Replacement	Per Bin Cost	$1,200.00	$800.00	$2,800.00
	Number bins needed to purchase in order to have 126 throughout the entertainment district	72	107	126
	Capital Cost	**$86,400.00**	**$85,600.00**	**$352,800.00**

Full Replacement (C



Option C	Full Replacement Citywide	Current Silver Bin	Coca-Cola Bin	Big Belly Recycling Bin
Full Replacement (Citywide)	Per Bin Cost	$1,200.00	$800.00	$2,800.00
	Number bins needed to purchase in order to have 253 throughout the City	187	231	250
	Capital Cost	**$224,400.00**	**$184,800.00**	**$700,000.00**