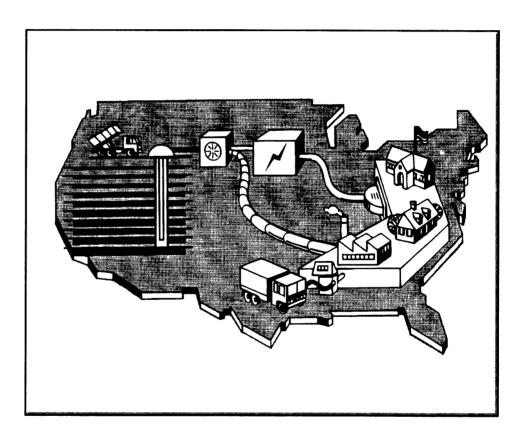


EPA Landfill Gas-to-Energy Project **Opportunities**

Landfill Profiles for the State of Florida





EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities,

municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-toenergy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- · Project developers, landfill owners, and operators
- · State and local records
- · Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project, ¹ Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

Landfill Categorizes

Current Project:

 Landfill with operational LFGTE project or landfill with LFGTE project under construction.

Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-inplace.²

Shutdown:

· Landfill with shutdown LFGTE project.

Other:

 Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

Unknown WIP:

 Landfill with insufficient data to determine the waste-inplace.

State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

² By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



¹ Current projects illustrate the wide range of successful project development options.

Exhibit 1: Florida MSW Landfill Summary

Category	No. of	· · · · · · · · · · · · · · · · · · ·		Est. CH4	Methane R		CO2 Equivalent of CH4		
	Landfills	Electricity (MW)	Gas Capacity (mmBtu/hr)	Generation (mmscf/d)	(tons	/yr)	Reduction (tons/yr)		
					Potential Current		Potential	Current	
Current	9	64	639	20.	118,279	103,684	2,483,863	2,177,354	
Candidate	17	77	770	25	142,379	60,900	2,989,965	1,278,892	
Other	21	35	348	11	64,261	0	1,349,471	0	
Unknown WIP	12								
Total	59	176	1,757	56	324,919	164,583	6,823,299	3,456,245	

Exhibit 2: Potential Florida Emissions Avoided by Fossil Fuel Displacement

Category		Electi	ricity Gen	eration P	roject		Direct Use Project					
	C	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)	
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	505,137	414,593	278,778	3,193	2,669	0	356,182	292,338	196,572	3,241	1,704	2
Candidate	606,953	498,160	334,969	3,836	3,206	0	428,755	351,903	236,624	3,901	2,051	2
Other	275,458	226,083	152,021	1,741	1,455	0	193,511	158,825	106,796	1,761	926	1
Unknown WIP												
Total	1,387,548	1,138,836	765,769	8,771	7,330	0	978,449	803,066	539,993	8,903	4,680	5

Exhibit 3: Index of Landfills in Florida

Category	Landfill Name		WIP		Landfill	LFG Collected	LFG	Status of LFGTE
		<2.5 million tons	2.5 to 4 million tons	>4 million tons	Operating in 1998		Utilization Project	Project
Current	Berman Road LF			V	V		V	Operational
Current	Central Disposal SLF			V	V	~	V	Operational
Current	Girvin Road LF			V		V	Y	Operational
Current	North Central LF Site 201			V	V		V	Operational
Current	Orange County SLF AKA Demonstratio			V			✓	Operational
Current	Perdido LF			V	✓	V	V	Operational
Current	South Dade Solid Waste Disposal Facil			V	✓			Construction
Current	Sunbeam Road SLF	✓				V	V	Operational
Current	Tomoka Farms Road LF			V			✓	Operational
Candidate	Base Line LF Class I	✓			✓			Potential
Candidate	Bee Ridge LF			V		V		Unknown
Candidate	Brevard County Central LF	✓			V	V		Potential
Candidate	Charlotte County SLF Zemel Road	V				V		Unknown
Candidate	Citrus Central SLF	V			✓			Unknown
Candidate	Croom SLF High Corner Road	~	L					Unknown
Candidate	Gulf Coast LF		V		✓	V		Planned
Candidate	Indian River County LF Class I	~			✓			Potential
Candidate	Medley LF Expansion			V	✓ .			Potential
Candidate	Naples SLF Cell #6 Collier County			V	✓	V		Potential
Candidate	North LF			V		V		Planned
Candidate	Osceola Road LF			V	✓			Unknown
Candidate	Palm Beach County LF #3 Dyer Road			V				Planned
Candidate	Southport Road SLF Phase I & II	~						Unknown
Candidate	U.S. 27 South LF	~			✓			Potential
Candidate	West Palm Beach #7							Planned
Candidate	Wright LF			V				Potential
Other	Aucilla Area SW Facility Class I & 2	✓			✓	Ü		Unknown
Other	DeSoto City SLF	Y				V		Unknown
Other	Huntington SLF	V						Unknown
Other	Lena Road County LF	V			~			Unknown
Other	Madison City/County SLF	V						Unknown
Other	Majette North SLF	~						Unknown.
Other	Martin County Palm City II SLF	~						Unknown
Other	Putnam County Central LF Phase II	V			~			Unknown
Other	Putnam County Central SLF		V					Unknown
Other	Rosemary Hill LF Expansion Class I	V			✓			Unknown
Other-	Saint Cloud City LF Class I	~						Unknown
Other	Saint Lucie County SLF Phase I	✓			V			Unknown
Other	Santa Rosa Central LF	✓			✓			Unknown

Exhibit 3: Index of Landfills in Florida

Category	Landfill Name		WIP		Landfill	LFG Collected	LFG	Status of LFGTE
		<2.5 million tons	2.5 to 4 million tons	>4 million tons	Operating in 1998		Utilization Project	Project
Other	South Dade Dump			V		U		Unknown
Other	Springhill Regional Landfill	~			✓			Unknown
Other	Stock Island LF Key West	V						Unknown
Other	SW Alachua SLF	V			✓			Unknown
Other	Taylor County Central LF	V		L L				Unknown
Other	Tillman Ridge SLF	~			✓			Unknown
Other	Trail Ridge LF		~		~			Unknown
Other	West Nassau SLF	✓			✓			Unknown
Unknown WIP	Boca Raton Garbage Dump							Unknown
Unknown WIP	Columbia County Central LF							Unknown
Unknown WIP	Largo City SLF					L		Unknown
Unknown WIP	New River Regional LF							Unknown
Unknown WiP	North Duval SLF							Unknown
Unknown WIP	Northwest Hillsborough SLF							Unknown
Unknown WIP	Pinecrest LF							Unknown
Unknown WIP	Pinellas County SLF		Ш					Unknown
Unknown WIP	Ridge Road LF New Port Richey							Unknown
Unknown WIP	Sandler Road SLF				U			Unknown
Unknown WiP	South Dade SW Reduction Facility							Unknown
Unknown WIP	Toytown SLF							Unknown

			PARTON AT T A AUDITOR T		YANI			
		A. G	ENERAL LANDFILL	INFORMAT	IUN			
Landfill Owner:				Annual Accep	tance Rate ((tons):	171,600	
Landfill Owner Type	:		•	Year Annual A	Acceptance I	Rate Reported:	1991	
Alternative Landfill	Name:		I	Design Capac	ity (tons):		3,800,000	
City:	Ocala		1	Acres Current	ly Landfilled	d (acres):	57	
County:	Marion		4	Average Dept	h (feet):		160	
State:	FL			1997 Waste-i	n-Place (ton	s):	2,200,000	
Year Open:	1977			1998 Waste-in	-Place (tons	s):	2,371,600	
Year Closed:	2005	•		MIRCHION				
			B. LANDFILL GAS CO					
Estimated Methane C LFG Collection Syste		f/d):		1.02				
Current LFG Collecte								
Collection and Treatr		uired Under NSI	PS/FG·	No				
Conceron and Treat	none system requ		C. LANDFILL GAS U		1			
Current Utilization:								
Utilization Syste	em Status:	Potential						
Utilization Syste	em Type:	Unknown						
Utilization Syste	em Start Year:							
Electric Utility I	Provider(s):							
Natural Gas Pro	vider(s):							
	(-) .							
Energy Purchase	er(s):							
	er(s):	Electrici	ity Generation Project (M	IW) (OR	Direct Use Project (mr	nBtu/hr)	
Capacity:		Electrici	ity Generation Project (M	1W) (OR	Direct Use Project (mr	mBtu/hr)	
	tial Capacity:	Electrici	ity Generation Project (M		OR	Direct Use Project (mr		
Capacity: Estimated Poten	tial Capacity: y:	Electrici	ity Generation Project (M		OR	Direct Use Project (mr		
Capacity: Estimated Poten Current Capacity Planned Capacity	tial Capacity: y:			3		Direct Use Project (mr	32	
Capacity: Estimated Poten Current Capacity Planned Capacity	tial Capacity: y:	Clay Electric		3 la Power Corp	poration; Oca		32	
Capacity: Estimated Poten Current Capacity	tial Capacity: y:	Clay Electric	c Cooperative Inc; Florid	3 la Power Corp	poration; Oca		32 ter Electric Coo	
Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County:	tial Capacity: y: y:	Clay Electric	c Cooperative Inc; Florid	3 la Power Corp	poration; Oca	ala Electric Utility; Sum	32 ter Electric Coo	
Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (a	tial Capacity: y: y: tons/yr):	Clay Electric D. ENVII	c Cooperative Inc; Florid	3 la Power Corp TS OF UTIL	poration; Oca	ala Electric Utility; Sum	ter Electric Coo	
Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County: Methane Reduction (CO2 Equivalent of Content)	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII as/yr):	c Cooperative Inc; Florid ROMENTAL BENEFT Po	3 la Power Corp TS OF UTIL	5,924 124,398	ala Electric Utility; Sum Curr	ter Electric Coo	
Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Comments)	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII as/yr):	c Cooperative Inc; Florid ROMENTAL BENEFT Po Electricity Gen.	3 la Power Corp IS OF UTIL tential eration Project	5,924 124,398	ala Electric Utility; Sum Curr Direct Use	ter Electric Coo ent (((((((((((((((((((
Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Content)	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII ns/yr): placement:	C Cooperative Inc; Florid ROMENTAL BENEFT Po Electricity Gene CO2 (tons/yr)	3 la Power Corp TS OF UTIL	5,924 124,398	ala Electric Utility; Sum Curr Direct Use CO2 (tons/yr)	ter Electric Coo ent Project SO2 (tons/yr,	
Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County: Methane Reduction (CO2 Equivalent of Co	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII as/yr):	c Cooperative Inc; Florid ROMENTAL BENEFT Po Electricity Gen.	3 la Power Corp IS OF UTIL tential eration Project	5,924 124,398	ala Electric Utility; Sum Curr Direct Use	ter Electric Coo ent Project SO2 (tons/yr)	
Capacity: Estimated Poten Current Capacity Planned Capacity	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII ns/yr): placement:	C Cooperative Inc; Florid ROMENTAL BENEFT Po Electricity Gene CO2 (tons/yr)	3 la Power Corp IS OF UTIL tential eration Project	5,924 124,398	ala Electric Utility; Sum Curr Direct Use CO2 (tons/yr)	ter Electric Coo ent () () Project SO2 (tons/yr)	
Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County: Methane Reduction (CO2 Equivalent of Co	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII as/yr): blacement: Coal:	C Cooperative Inc; Florid ROMENTAL BENEFT Po Electricity Generative CO2 (tons/yr) 25,257	3 la Power Corp IS OF UTIL tential eration Project	5,924 124,398 ct ns/yr) 160	ala Electric Utility; Sum Curr Direct Use CO2 (tons/yr) 17,839	ter Electric Coo	
Capacity: Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Content)	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII ns/yr): placement: Coal: Fuel Oil: atural Gas:	Electricity Generative CO2 (tons/yr) 25,257 20,730 13,939 E. CONTACT INFO	3 la Power Corp FS OF UTILI tential eration Project SO2 (to)	5,924 124,398 ct ns/yr) 160 133	Direct Use CO2 (tons/yr) 17,839 14,641 9,845	ter Electric Coo ent () Project SO2 (tons/yr) 162	
Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (a) CO2 Equivalent of Co Emissions Avoided by	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII ns/yr): Coal: Fuel Oil: atural Gas: Landfill	Electricity Generative Inc; Florida Policy CO2 (tons/yr) 25,257 20,730 13,939 E. CONTACT INFO	3 la Power Corp FS OF UTILI tential eration Project SO2 (to)	5,924 124,398 ct ns/yr) 160 133	Direct Use CO2 (tons/yr) 17,839 14,641	ter Electric Coo ent () Project SO2 (tons/yr, 162	
Capacity: Estimated Poten Current Capacity Planned Capacit Utilities in County: Methane Reduction (CO2 Equivalent of Co	tial Capacity: y: y: tons/yr): H4 Reduction (ton y Fossil Fuel Disp	Clay Electric D. ENVII ns/yr): clacement: Coal: Fuel Oil: atural Gas: Landfill Solid Waste Dire	Electricity Generative Inc; Florida Policy CO2 (tons/yr) 25,257 20,730 13,939 E. CONTACT INFO	la Power Corp TS OF UTIL! tential eration Project SO2 (to:	5,924 124,398 ct ns/yr) 160 133 0	Direct Use CO2 (tons/yr) 17,839 14,641 9,845 Landfill Operator	ter Electric Coo ent Co Project SO2 (tons/yr) 162	
Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (a CO2 Equivalent of Ca Emissions Avoided by	tial Capacity: y: y: tons/yr): H4 Reduction (tor	Clay Electric D. ENVII ns/yr): clacement: Coal: Fuel Oil: atural Gas: Landfill Solid Waste Dire	Electricity Generative Inc; Florida Policy CO2 (tons/yr) 25,257 20,730 13,939 E. CONTACT INFO	la Power Corp TS OF UTIL! tential eration Project SO2 (to:	5,924 124,398 ct ns/yr) 160 133	Direct Use CO2 (tons/yr) 17,839 14,641 9,845 Landfill Operator	ter Electric Coo ent () Project SO2 (tons/yr) 162	
Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (a) CO2 Equivalent of Co Emissions Avoided by	tial Capacity: y: y: tons/yr): H4 Reduction (ton y Fossil Fuel Disp No. Allen Ellison, S 5601 Southeast	Clay Electric D. ENVII ns/yr): clacement: Coal: Fuel Oil: atural Gas: Landfill Solid Waste Dire	Electricity Generative Inc; Florida Policy CO2 (tons/yr) 25,257 20,730 13,939 E. CONTACT INFO	la Power Corp TS OF UTIL tential eration Project SO2 (to) RMATION	5,924 124,398 ct ns/yr) 160 133 0	Direct Use CO2 (tons/yr) 17,839 14,641 9,845 Landfill Operator	ter Electric Coo ent () Project SO2 (tons/yr) 162	
Estimated Poten Current Capacity Planned Capacity Utilities in County: Methane Reduction (ICO2 Equivalent of Commissions Avoided by Contact Name: Mailing Address:	tial Capacity: y: y: tons/yr): H4 Reduction (ton y Fossil Fuel Disp	Clay Electric D. ENVII ns/yr): clacement: Coal: Fuel Oil: atural Gas: Landfill Solid Waste Dire	Electricity Generative Inc; Florida Policy CO2 (tons/yr) 25,257 20,730 13,939 E. CONTACT INFO	la Power Corp TS OF UTIL tential eration Project SO2 (to) RMATION	5,924 124,398 ct ns/yr) 160 133 0	Direct Use CO2 (tons/yr) 17,839 14,641 9,845 Landfill Operator	ter Electric Coo ent () Project SO2 (tons/yr) 162	

	A G	Bee Ridge L ENERAL LANDFILL I		Landfill Cate	egory: Candidate
I ICU O				(a)	161 200
Landfill Owner:	Sarasota County, Solid	•	nnual Acceptance Rate		161,290 1998
Landfill Owner Type: Alternative Landfill Nam	Public		ear Annual Acceptance	Kate Reponeu:	1996
	e: Sarasota		esign Capacity (tons):	d (noras):	120
City:	Sarasota Sarasota		cres Currently Landfille verage Depth (feet):	u (acres):	50
County:			998 Waste-in-Place (ton		4,978,200
State:	FL 1970		•	•	4,978,200
Year Open: Year Closed:	1998	T:	998 Waste-in-Place (ton.	s).	4,978,200
Teal Closed:		B. LANDFILL GAS CO	LLECTION		
Estimated Mathema Comp			1.69		
Estimated Methane Gene LFG Collection System S		One	erational		
Current LFG Collected (r		Оре	0.9		
·	System Required Under NSI	DC/EC.	Yes		
Conection and Treatment		C. LANDFILL GAS UT			
Comment Hallington		C. DAI WILLIAM CI	IDIZACION.		
Current Utilization: Utilization System S	tatus: Unknown				
= = = = = = = = = = = = = = = = = = =					
Utilization System T					
Utilization System S					
Electric Utility Provide					
	* *	C T	lomi		
Energy Purchaser(s)	Sarasota Co	unty Sewage Treatment P	ranı		
Capacity:	Electric	ity Generation Project (M	W) OR	Direct Use Project (mm	Btu/hr)
Estimated Potential	Capacity:		5		53
Current Capacity:			1		
Planned Capacity:			2.7		21
Utilities in County:	Florida Pow	ver & Light Company; Pea	ce River Electric Coop I	nc	
	D. ENVI	ROMENTAL BENEFIT	S OF UTILIZATION		
		T	ential	Curre	ent
Methane Reduction (tons	(۲۰۰۲)·		9,778		3,469
CO2 Equivalent of CH4 I	•		205,346		72,849
		_	203,510		
Emissions Avoided by Fo	ssil Fuel Displacement:	Electricity Gene	ration Project	Direct Use I	Project
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	41,832	264	29,446	268
	Fuel Oil:	34,334	221	24,168	141
	Natural Gas:	23,086	0	16,251	0
		E. CONTACT INFOR	MATION		
	Landfill	Owner		Landfill Operator	
Contact Name: G	ary Bennett, Director		Gary Bennett		
Mailing Address: 39	982 Bee Ridge Road		8350 Bee Ridge	Road	
The state of the s	/В				
,			041 216 1166		
Phone Number:	41-316-1166		941-316-1166		
			į.		
,	13-364-4377				

	· · · · · · · · · · · · · · · · · · ·		Berman Road	i LF	Landfill Cate	gory: Current
		A. G	ENERAL LANDFILL	INFORMATION		
Landfill Owner:	WMI			Annual Acceptance Rate	(tons):	96,000
Landfill Owner Type	: :		•	Year Annual Acceptance	Rate Reported:	1998
Alternative Landfill	Name:		I	Design Capacity (tons):		185,362,927
City:	Okeech	obee	I	Acres Currently Landfille	ed (acres):	27.3
County:	Okeech	obee		Average Depth (feet):		220
State:	FL			Waste-in-Place (tons):		4,375,800
Year Open:	1980		i	1998 Waste-in-Place (ton	es):	4,890,600
Year Closed:	2050	1	B. LANDFILL GAS CO	LI ECTION		
Fatimated Mathema	~		. LANDELL GAS CC	1.67		
Estimated Methane C LFG Collection System		ra):		1.07		
Current LFG Collect						
Collection and Treats		ired Under NSI	PS/EG:	No		
	1		C. LANDFILL GAS U			
Current Utilization:						
Utilization System	em Status:	Operational				
Utilization Syste	em Type:	Leachate Ev	aporation			
Utilization Syste	em Start Year:	1996				
Electric Utility I	Provider(s):	·				
Natural Gas Pro	vider(s):					
Energy Purchase	er(s):		•			
Capacity:		Electrici	ty Generation Project (M	(W) OR	Direct Use Project (mm	Btu/hr)
Estimated Poten	tial Capacity:			5		52
Current Capacit	y:			•		
Planned Capacit	ty:					
Utilities in County:		Florida Pow	er & Light Company; Gl	ades Electric Coop Inc		
		D. ENVII	ROMENTAL BENEFI	rs of utilization		
			Po	tential	Curre	nt
Methane Reduction (tons/yr):			9,649		0
CO2 Equivalent of C	H4 Reduction (ton	s/yr):		202,625		0
E	E VE IN	· · · · · · · · · · · · · · · · · · ·) D: .II D	
Emissions Avoided by	y Fossii Fuel Disp	lacement:	Electricity Gene	•	Direct Use P CO2 (tons/yr)	roject SO2 (tons/yr)
			CO2 (tons/yr)	SO2 (tons/yr)		
		Coal:	41,042	259	29,056	264
		Fuel Oil:	33,686	217	23,848	139
	No	itural Gas:	22,651	0	16,036	0
			E. CONTACT INFO	RMATION		
		Landfill	Owner		Landfill Operator	·
Contact Name:	Landfill Owner			Caroline McRee	dy	
Mailing Address:	10800 Northea	st 128 Avenue		10800 Northeast	128 Avenue	
Phone Number:	813-357-0111			941-357-0111		
Fax Number:						
* Itallicized indicates	values estimated l	by EPA.	Dec	cember 5, 1998	State: FL	Page: 3
STAR STAR Vei	rsion 1.0 / LMOP					

		A CE	Brevard Count NERAL LANDFI	-	ATTON	Landfill Cat	egory: Candidate
Landfill Owner:		County, Solid W	aste Department		ceptance Rate (100,100
Landfill Owner Type:	Public				al Acceptance I	Rate Reported:	. 1994
Alternative Landfill Name:		Disposal/ Emerge	ency LF		pacity (tons):		
City:	Cocoa				ently Landfilled	d (acres):	192
County:	Brevard			Average D	-		1 (01 (00
State:	FL			Waste-in-P		,	1,601,600
Year Open:	1976			1998 Waste	e-in-Place (tons	s):	2,302,300
Year Closed:	2003	R	LANDFILL GAS	COLLECTION	ON		-
Fair at 114-th and Community	·		EMNOPHED OAS	1.01	011		
Estimated Methane General LFG Collection System State	•	(a):		Operational			
Current LFG Collected (mn				10.0			
Collection and Treatment Sy		ired Under NSPS	/FG·	Yes			
Concetion and Treatment 5			LANDFILL GAS		ON		
Current Utilization:							
Utilization System Stat	hie.	Potential					
Utilization System Typ		Unknown					
Utilization System Star		Cindiowii					
Electric Utility Provide							
Natural Gas Provider(s							
Energy Purchaser(s):	,,				•		
Capacity:		Electricity	Generation Project	t (MW)	OR	Direct Use Project (mm	nBtu/hr)
Estimated Potential Ca	apacity:			3			32
Current Capacity:							
Planned Capacity:							200
riamicu Capacity.	i			1.5			208
Utilities in County:		Florida Power	& Light Company		Electric Coop I	nc	208
			& Light Company MENTAL BENE	; Peace River	-	nc	208
				; Peace River	-	nc Curre	
Utilities in County:	·):			; Peace River	-		
Utilities in County: Methane Reduction (tons/yr		D. ENVIRO		; Peace River	ILIZATION 5,821		ent
Utilities in County: Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	duction (ton.	D. ENVIRO	DMENTAL BENE	; Peace River FITS OF UT Potential	5,821 122,247	. Curre	38,544 809,424
Utilities in County: Methane Reduction (tons/yr	duction (ton.	D. ENVIRO	DMENTAL BENE	; Peace River ; FITS OF UT Potential Generation Pro	5,821 122,247	Curre Direct Use a	38,544 809,424 Project
Utilities in County: Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	duction (ton.	D. ENVIRO	DMENTAL BENE	; Peace River ; FITS OF UT Potential Generation Pro	5,821 122,247	. Curre	38,544 809,424
Utilities in County: Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	duction (ton.	D. ENVIRO	DMENTAL BENE	; Peace River ; FITS OF UT Potential Generation Pro	5,821 122,247	Curre Direct Use a	38,544 809,424 Project
Utilities in County: Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	duction (ton.	D. ENVIRO	Electricity (CO2 (tons/yr	; Peace River ; FITS OF UT Potential Generation Pro) SO2	5,821 122,247 pject (tons/yr)	Curre Direct Use a CO2 (tons/yr)	28,544 809,424 Project SO2 (tons/yr)
Utilities in County: Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	duction (ton	D. ENVIRO s/yr): lacement: Coal: Fuel Oil:	Electricity (CO2 (tons/yr 24,46	FITS OF UT Potential Generation Pro SO2 88	5,821 122,247 0ject (tons/yr) 155 129	Direct Use to CO2 (tons/yr) 17,530 14,388	28,544 809,424 Project SO2 (tons/yr)
Utilities in County: Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	duction (ton	D. ENVIRO s/yr): lacement: Coal: Fuel Oil: atural Gas:	Electricity (CO2 (tons/yr, 24,46 20,08 13,50	Generation Pro SO2	5,821 122,247 oject (tons/yr) 155 129 0	Direct Use of CO2 (tons/yr) 17,530	Project SO2 (tons/yr) 160 84
Utilities in County: Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	duction (ton	D. ENVIRO s/yr): lacement: Coal: Fuel Oil: atural Gas:	Electricity (CO2 (tons/yr 24,46 20,08 13,50	Generation Pro SO2	5,821 122,247 oject (tons/yr) 155 129 0	Direct Use of CO2 (tons/yr) 17,530 14,388 9,675	Project SO2 (tons/yr) 160 84
Utilities in County: Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi	duction (ton	D. ENVIRO s/yr): lacement: Coal: Fuel Oil: atural Gas: Landfill O	Electricity (CO2 (tons/yr) 24,46 20,08 13,50 E. CONTACT IN wner	; Peace River ; FITS OF UT Potential Generation Pro) SO2 88 82 93 FORMATIO	5,821 122,247 oject (tons/yr) 155 129 0	Direct Use to CO2 (tons/yr) 17,530 14,388	Project SO2 (tons/yr) 160 84
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi	duction (ton.	D. ENVIRO s/yr): lacement: Coal: Fuel Oil: utural Gas: Landfill Or Solid Waste Dire	Electricity (CO2 (tons/yr) 24,46 20,08 13,50 E. CONTACT IN wner	; Peace River ; Peace River ; Potential Generation Pro ; SO2 ; S8 ; S2 ; S3 FORMATIO	5,821 122,247 oject (tons/yr) 155 129 0	Direct Use of CO2 (tons/yr) 17,530 14,388 9,675 Landfill Operator	Project SO2 (tons/yr) 160 84
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi	duction (ton	D. ENVIRO s/yr): lacement: Coal: Fuel Oil: utural Gas: Landfill Or Solid Waste Dire	Electricity (CO2 (tons/yr) 24,46 20,08 13,50 E. CONTACT IN wner	; Peace River ; Peace River ; Potential Generation Pro ; SO2 ; S8 ; S2 ; S3 FORMATIO	5,821 122,247 oject (tons/yr) 155 129 0	Direct Use of CO2 (tons/yr) 17,530 14,388 9,675 Landfill Operator	Project SO2 (tons/yr) 160 84
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi Contact Name: Rich Mailing Address: 1626	Namard Rabon, O Adamson	D. ENVIRO s/yr): lacement: Coal: Fuel Oil: utural Gas: Landfill Or Solid Waste Dire	Electricity (CO2 (tons/yr) 24,46 20,08 13,50 E. CONTACT IN wner	FORMATIO RITE OF UT Potential Generation Pro SO2 88 12 13 FORMATIO	5,821 122,247 oject (tons/yr) 155 129 0 N chard Rabon 20 Adamson R	Direct Use of CO2 (tons/yr) 17,530 14,388 9,675 Landfill Operator	Project SO2 (tons/yr) 160 84
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi Contact Name: Rich Mailing Address: 1620 Phone Number: 407	duction (ton.	D. ENVIRO s/yr): lacement: Coal: Fuel Oil: utural Gas: Landfill Or Solid Waste Dire	Electricity (CO2 (tons/yr) 24,46 20,08 13,50 E. CONTACT IN wner	FORMATIO RITE OF UT Potential Generation Pro SO2 88 12 13 FORMATIO	5,821 122,247 oject (tons/yr) 155 129 0	Direct Use of CO2 (tons/yr) 17,530 14,388 9,675 Landfill Operator	Project SO2 (tons/yr) 160 84

			Central Disposal			Landfill Cat	egory: Current
		A. G	ENERAL LANDFILL IN	iFORMA'	TION		
Landfill Owner:	WMI		Ar	ınual Acce	ptance Rate (t	ons):	1,144,000
Landfill Owner Type:	Private					Rate Reported:	1992
Alternative Landfill Na	ame:				city (tons):	· <u>r</u> · · · · · ·	36,412,717
City:		no Beach			itly Landfilled	(acres):	242
County:	Browar		•	erage Dep	=	(15
State:	FL				in-Place (tons):	23,288,000
Year Open:	1960				in-Place (tons		27,864,000
Year Closed:	2035					,	,,
			B. LANDFILL GAS COL	LECTIO	N		
Estimated Methane Ge	neration (mmsc)	f/d):		6.04			
LFG Collection System	-	,	Oper	rational			
Current LFG Collected			•	8.0			
Collection and Treatme		uired Under NSI	PS/EG:	No			
	<u> </u>		C. LANDFILL GAS UTI	LIZATIO	N		
Current Utilization:							
Utilization System	n Status:	Operational					
Utilization System		Gas Turbine	•				
Utilization System		1988	,				
Electric Utility Pr		1700					
Natural Gas Provi							
Energy Purchaser		Florida Pow	er Corporation				
	(3).		-				
Capacity:		Electrici	ty Generation Project (MV	<u> </u>	OR	Direct Use Project (mn	
Estimated Potenti				19			189
Current Capacity:				18.0			141
Planned Capacity:	:						
Utilities in County:		Florida Pow	er & Light Company; Lee	County Ele	ectric Coop In	c	**************************************
14.5		D. ENVII	ROMENTAL BENEFITS	OF UTIL	IZATION		
			Pote	ntial		Curre	ent
Methane Reduction (to	ns/yr):				34,947		30,835
CO2 Equivalent of CH	•	ns/yr):			733,885		647,539
	· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity General	ation Proje	ect	Direct Use	Project
			CO2 (tons/yr)	SO2 (to	ons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	149,173		943	105,238	958
		Fuel Oil:	122,435		788	86,375	503
	N	atural Gas:	82,327		0	58,079	1
			E. CONTACT INFOR	MATION	ļ.		
	·	Landfill	Owner			Landfill Operator	
Contact Name:	Michael Berg			Ron	Entabe		
Mailing Address:	3831 N.W. 21s	t Avenue		3000	NW 48th Str	eet	
Phone Number:	954-977-9551			. 054	917-1640		
	ァン リー フ <i>ロー</i> プンン】			734	717-10 4 0		
Fax Number:			· · · · · · · · · · · · · · · · · · ·				
* Itallicized indicates ve	alues estimated	by EPA.	Dece	mber 5, 19	98	State: FL	Page: 5
STAR Versi	on 1.0 / LMOP						
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			Charlotte County			Landfill Category:	Candidate
		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	NERAL LANDF				<u> </u>
Landfill Owner:		te County Mosqu	ito Control		eptance Rate (1		118,118
Landfill Owner Type					-	Rate Reported:	1994
Alternative Landfill				Design Capa	=		
City:	•	al Gulf Acres			ntly Landfilled	l (acres):	160
County:	Charlot	te		Average Dep			73
State:	FL			1994 Waste	-in-Place (tons	3):	638,509
Year Open:	1990			1998 Waste-	in-Place (tons):	1,110,981
Year Closed:	1998				<u> </u>		
		В.	LANDFILL GA	S COLLECTIO	N		
Estimated Methane C	Generation (mmsc	f/d):		0.70			
LFG Collection Syste	em Status:			Operational			
Current LFG Collecte	ed (mmscf/d):		•				
Collection and Treati	nent System Requ	uired Under NSPS	S/EG:	No			
		C	. LANDFILL GA	S UTILIZATIO	N .		
Current Utilization:							
Utilization Syste	em Status:	Unknown					
Utilization Syste	em Type:	Unknown					
Utilization Syste	em Start Year:						
Electric Utility I	Provider(s):						
Natural Gas Pro	vider(s):						
Energy Purchase	er(s):						
Capacity:		Electricity	Generation Project	et (MW)	OR	Direct Use Project (mmBtu/hr	·)
Estimated Poten	utial Canacity:	_		2			22
Current Capacity				2	ĺ		22
Planned Capacit					i		
Trainica Capacit					_		
Utilities in County:			· & Light Company	•	·	nc	
		D. ENVIRO	OMENTAL BEN	EFITS OF UTI	JZATION		
				Potential		Current	
Methane Reduction (tons/yr):				4,060		0
CO2 Equivalent of C	H4 Reduction (to	ns/yr):			85,250		0
		_			i		
Emissions Avoided by	y Fossil Fuel Disp	olacement:	-	Generation Proj		Direct Use Project	
			CO2 (tons/y	r) SO2 (t	ons/yr)	CO2 (tons/yr) SO	2 (tons/yr)
		Coal:	17,3	64	110	12,225	111
		Fuel Oil:	14,2	52	92	10,034	59
	A)	atural Gas:	9,5		0	6,747	0
	14				(0,747	
<u>.</u>		Landfill O	E. CONTACT IN wner	NFORMATION		Landfill Operator	
Contact Name:	Robert Ward, I	Director		· · · · · · · · · · · · · · · · · · ·		-	
Mailing Address:				 no	Box 1054		
Mailing Address:	P.O. Box 1054			, P.O	. Box 1054		
Phone Number:	012 (20 1242			:	(20.1000		
i none inumber:	813-639-1349			- 813	-639-1802		
Fax Number:	813-639-4821						
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* Itallicized indicates	values estimated	oy EPA.		December 5, 19	タグ	State: FL Page	: 6
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			Citrus Cen			Landfill Cate	egory: Candidate
		A. G	ENERAL LANDFII	LL INFOR	MATION		
Landfill Owner:	Citrus (County Solid Wa	ste Management	Annual A	Acceptance Rate (tons):	60,000
Landfill Owner Type:	Public			Year An	nual Acceptance I	Rate Reported:	1998
Alternative Landfill N	ame:			Design C	Capacity (tons):		
City:	Lecante	o		Acres Cu	irrently Landfilled	d (acres):	45
County:	Citrus			Average	Depth (feet):		40
State:	FL			1998 Wa	aste-in-Place (ton:	s):	1,300,000
Year Open:	1975			1998 Wa	ste-in-Place (tons	·):	1,300,000
Year Closed:	2000						
		l	3. LANDFILL GAS	COLLECT	FION		
Estimated Methane Ge	eneration (mmsc	rf/d):		0.73	5		
LFG Collection System	-						
Current LFG Collected							
Collection and Treatm	ent System Req	uired Under NSF	PS/EG:	N	o		
	-		C. LANDFILL GAS	UTILIZA'	TION		
Current Utilization:							
Utilization System	n Status:	Unknown					
Utilization System		Unknown					
Utilization System		Chalewn					
Electric Utility Pr		Florida Pow	er				
Natural Gas Provi		Tionau Town	ot .				
Energy Purchaser							
Energy 1 dienase.	(5).						
Capacity:		Electrici	ty Generation Project	(MW)	OR	Direct Use Project (mm	Btu/hr)
Estimated Potenti	ial Capacity:			2			24
Current Capacity:					i		
Planned Capacity					İ		
Utilities in County:		Central Flori	da Elec Coop Inc; Fl	orida Powei	r Corporation; Sui	mter Electric Coop Inc; V	Vithlacoochee
		D. ENVIR	ROMENTAL BENE	FITS OF U	TILIZATION		
				Potential		Curre	nt
Methane Reduction (to	ons/vr)·			Totemiai	4,339		0
CO2 Equivalent of CH	=	nstvr):			91,121		0
	(10)	yr y.			71,121		
Emissions Avoided by	Fossil Fuel Disp	placement:	Electricity (Generation I	Project	Direct Use I	Project
			CO2 (tons/yr,) SO	02 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	18,15	3	115	13,067	119
		Fuel Oil:	14,89	9	96	10,724	63
	N	latural Gas:	10,01	9	0	7,211	0
			E. CONTACT IN	FORMATI	ON		
		Landfill (Landfill Operator	
Contact Name:	Susan Metcalfo	Director			Susan Metcalf, Di		
		c, Director		!			
Mailing Address:	P.O. Box 340			;	County Courthous	se	
:							
Phone Number:	352-746-5000			: :	352-746-5000		
Fax Number:	904-527-1204						
LUA PUBLICATION	707-321*12 0 4					****	
* Itallicized indicates v	alues estimated	by EPA.		December 5	5, 1998	State: FL	Page: 7
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			Croom SLF Hig			Landfill Ca	tegory:	Candidate
		A. GI	ENERAL LANDFI	LL INFORM	MATION			
Landfill Owner:		do County, Utilit	ies Department		cceptance Rate (t			71,500
Landfill Owner Type:	Public				ual Acceptance R	late Reported:		0
Alternative Landfill Na				_	apacity (tons):			
City:	Brooks				rrently Landfilled	(acres):		38.2
County:	Hernan	do		_	Depth (feet):			40
State:	FL				Place (tons):			1,215,500
Year Open:	1976			1998 Was	ste-in-Place (tons):		1,644,500
Year Closed:	1998					46		
			. LANDFILL GAS	····	**************************************			
Estimated Methane Ger		f/d):		0.84	l			
LFG Collection System								
Current LFG Collected								
Collection and Treatme	nt System Requ			No				
		C	. LANDFILL GAS	UTILIZAT	TION			
Current Utilization:								
Utilization System	Status:	Unknown						
Utilization System	Type:	Unknown						
Utilization System	Start Year:							
Electric Utility Pro	ovider(s):							
Natural Gas Provid	der(s):							
Energy Purchaser(s):							
Capacity:		Electricit	y Generation Project	(MW)	OR	Direct Use Project (mr	mBtu/hr`)
	al Canacitu	· · · · · · · · · · · · · · · · · · ·	,			· · · · · · · · · · · · · · · · · · ·		26
Estimated Potentia	и Сарасиу:	İ		3				20
Current Capacity:		!						
Planned Capacity:								
Utilities in County:		Florida Powe	r Corporation; Sumt	er Electric C	Coop Inc; Withlac	oochee River Elec Coop	o Inc	
		D. ENVIR	OMENTAL BENE	FITS OF U	TILIZATION			
				Potential		Curr	ent	
Methane Reduction (tor	ıs/yr):				4,849			0
CO2 Equivalent of CH4	Reduction (to	ns/yr):			101,819			0
*								
Emissions Avoided by F	Fossil Fuel Disp	olacement:	•	Generation P	roject	Direct Use	Project	
			CO2 (tons/yr,) SO	2 (tons/yr)	CO2 (tons/yr)	SOZ	2 (tons/yr)
		Coal:	20,52	1	130	14,601		133
		Fuel Oil:	16,84	3	108	11,984		70
	_							
	N	atural Gas:	11,32	5	- 0	8,058		0
		12	E. CONTACT IN	FORMATIO	ON			
		Landfill C)wner			Landfill Operator		
Contact Name:	Donald Post, C	perations Manag	er	Г	Oonald Post			
Mailing Address:	202 East Jeffer	son Street		2	202 E. Jefferson S	t.		
				;				
Phone Number:	904-754-5102			3	352-754-4037			
Fax Number:	, 304 134 3102			ı				
	ax Number: 904-734-8738							·····
'Itallicized indicates va	ilues estimated	by EPA.		December 5	, 1998	State: FL	Page:	8
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		Girvin Road		Landfill Categor	y: Current
	`A. G	ENERAL LANDFILL I	NFORMATION		
Landfill Owner:	City of Jacksonville	A	Annual Acceptance Rate ((tons):	
Landfill Owner Type:	Public	Y	ear Annual Acceptance	Rate Reported:	
Alternative Landfill Na	ame:	Ε	Design Capacity (tons):		
City:	Jacksonville	A	Acres Currently Landfille	d (acres):	73
County:	Duval	A	verage Depth (feet):		105
State:	FL	v	Vaste-in-Place (tons):		4,122,058
Year Open:	1973	1	998 Waste-in-Place (tons	s):	4,122,058
Year Closed:	1993				
		B. LANDFILL GAS CO	LLECTION		•
Estimated Methane Ge	• •		1.47		
LFG Collection System		Op	erational		
Current LFG Collected			1.9		
	ent System Required Under NSI		No		
		C. LANDFILL GAS UT	ILIZATION		
Current Utilization:					
Utilization System	•				
Utilization Systen	• •	1			
Utilization System					
Electric Utility Pr					
Natural Gas Provi	, ,				
Energy Purchaser	(s): Jacksonville	Electric Authority			
Capacity:	Electrici	ty Generation Project (M	W) OR	Direct Use Project (mmBtu	/hr)
Estimated Potenti	al Capacity:		5		46
Current Capacity:					40
Planned Capacity					
Utilities in County:	Clay Floatri	Consessive Inc. Florid	Down & Light Compa	ny; Jacksonville Beach Elec D	Nanti Okofa
Othlies in County.	•	ROMENTAL BENEFII		iy, Jacksonvine Beach Liet L	
	D. Divili	<u> </u>	<u> </u>	Cyman	
Methane Reduction (to	ma (A.m.).	Poi	ential 8,512	Current	7,323
CO2 Equivalent of CH	<u>-</u>		178,758		
CO2 Equivalent of CH	4 Reduction (tons/yr):	1	1/0,/30	; 	153,791
Emissions Avoided by	Fossil Fuel Displacement:	Electricity Gene	ration Project	Direct Use Proj	ect
·	•	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	36,307	230	25,634	233
	Fuel Oil:	29,799	192	21,039	123
				i	
	Natural Gas:	20,037	0	14,147	0
<u> </u>	Landfill	E, CONTACT INFOR	RMATION	Landfill Operator	,
Contact Name:	Chris Pierson	Owner	Chris Pierson	Landin Operator	
			· ·		
Mailing Address:	515 Laura St		515 Laura St		
	Room 634, 6th Floor		Room 634, 6th Fl	oor	
Phone Number:	904-632-8081		904-632-8081		
Fax Number:					
* Itallicized indicates v	alues estimated by EPA.	Dec	ember 5, 1998	State: FL Pag	
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			Gulf Coast LF		Landfill Category	Candidate
		A. G	ENERAL LANDFILL IN	FORMATION		
Landfill Owner:	WMI			nual Acceptance Rate (144,000
Landfill Owner Type				ar Annual Acceptance I	Rate Reported:	1998
Alternative Landfill N				sign Capacity (tons):	17	160
City:	Fort M	yers		res Currently Landfilled	(acres):	160
County:	Lee			erage Depth (feet):	Δ.	50 2,125,340
State:	FL			1994 Waste-in-Place (tons): 1998 Waste-in-Place (tons):		
Year Open: Year Closed:	1976 2002		199	98 waste-in-Place (tons):	3,612,540
Tear Closed.	2002	<u> </u>	B. LANDFILL GAS COL	LECTION		
Estimated Methane G	eneration (mmsc	f/d):		1.34		
LFG Collection Syste	m Status:		Oper	ational		
Current LFG Collecte	ed (mmscf/d):			0.4		
Collection and Treatn	nent System Requ	uired Under NSF	PS/EG:	Yes		
2 7 7 8 8 8 8		· 4/3 * * * (C. LANDFILL GAS UTI	LIZATION 💨	7.00 E	24
Current Utilization:						
Utilization Syste		Planned				
Utilization Syste		Direct Thern	nal			
Utilization Syste						
Electric Utility P						
Natural Gas Prov	` '					
Energy Purchase	er(s):	Lee County	WTE Plant			
Capacity:		Electrici	ty Generation Project (MW	OR	Direct Use Project (mmBtu/h	ır)
Estimated Poten	tial Capacity:			4		42
Current Capacity	/ :					
Planned Capacity	y:			1		8
Utilities in County:		Florida Powe	er & Light Company; Lee	County Electric Coop Ir	nc	
		D. ENVIR	ROMENTAL BENEFITS	OF UTILIZATION		
			Poter	ntial	Current	
Methane Reduction (t	ons/vr):			7,759		1,542
CO2 Equivalent of CI		ns/vr):		162,935		32,378
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Genera	- 1	Direct Use Projec	
			CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) Se	O2 (tons/yr)
		Coal:	33,150	210	23,365	213
		Fuel Oil:	27,208	175	19,177	112
	N	atural Gas:	18,295	0	12,895	0
	1 30		E. CONTACT INFOR	MATION		
		Landfill (Owner		Landfill Operator	
Contact Name:	Pat Yancey, Si	te Engineer		Laura Gray, Site I	Engineer	
Mailing Address:	P.O. Box 7314			11990 State Road	82E	
				i		
Phone Number:	954-984-2000			941-334-4119		
Fax Number:				:		
* Itallicized indicates	values estimated	by FPA	Daga	mber 5, 1998	State: FL Page	e: 10
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ting the second of the second	A. G	Indian River County ENERAL LANDFILL		Landfill Cate	egory: Candidate
			<u> </u>		
Landfill Owner:	Solid Waste Disposal D		Annual Acceptance Rate (1		114,400
Landfill Owner Type:	Public		Year Annual Acceptance F	Rate Reported:	1993
Alternative Landfill Name:			Design Capacity (tons):	. ,	
City:	Vero Beach		Acres Currently Landfilled	(acres):	45
County:	Indian River		Average Depth (feet):		1 252 222
State:	FL		Waste-in-Place (tons):		1,372,800
Year Open:	1985		1998 Waste-in-Place (tons):	1,601,600
Year Closed:	2018	B. LANDFILL GAS CO	OLI ECTION		
<u> </u>	the state of the s	b. LANDFILL GAS CO	and the state of t		
Estimated Methane General	-		0.83		
LFG Collection System Sta					
Current LFG Collected (mn		20.00			
Collection and Treatment S			No ELLAZATION SEE		
		C. LANDFILL GAS U	TILIZATION		
Current Utilization:					
Utilization System Sta					
Utilization System Typ					
Utilization System Sta					
Electric Utility Provide					
Natural Gas Provider(s	s):				
Energy Purchaser(s):					
Capacity:	Electrici	ity Generation Project (M	1W) OR	Direct Use Project (mm	nBtu/hr)
Estimated Potential Co	anacity:		3		26
Current Capacity:	ipueny.				20
Planned Capacity:	:				
			!		
Utilities in County:	Florida Pow	er & Light Company; Pe	eace River Electric Coop In	nc; Vero Beach Municipa	al Utilities
Utilities in County:		rer & Light Company; Per		nc; Vero Beach Municipa	al Utilities
Utilities in County:		ROMENTAL BENEFI		nc; Vero Beach Municipa	
Utilities in County: Methane Reduction (tons/yr	D.ENVII	ROMENTAL BENEFI	IS OF UTILIZATION		
	D.ENVII	ROMENTAL BENEFI	TS OF UTILIZATION		ent
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	D.ENVII): duction (tons/yr):	ROMENTAL BENEFI	otential 4,785 100,487	Curre	ent 0 0
Methane Reduction (tons/yr	D.ENVII): duction (tons/yr):	Policity Gen	otential 4,785 100,487 teration Project	Curre	ent 0 0
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	D.ENVII): duction (tons/yr):	ROMENTAL BENEFI	otential 4,785 100,487	Curre	ent 0 0
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	D.ENVII): duction (tons/yr):	Policity Gen	otential 4,785 100,487 teration Project	Curre	ent 0 0
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	D.ENVII c): duction (tons/yr): dl Fuel Displacement: Coal:	Electricity Gen CO2 (tons/yr) 20,521	otential 4,785 100,487 teration Project SO2 (tons/yr)	Direct Use of CO2 (tons/yr) 14,410	ent 0 0 Project SO2 (tons/yr)
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	D.ENVII c): duction (tons/yr): il Fuel Displacement: Coal: Fuel Oil:	Electricity Gen CO2 (tons/yr) 20,521 16,843	teration Project SO2 (tons/yr) 130 108	Direct Use I CO2 (tons/yr) 14,410 11,827	Project
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	D.ENVII c): duction (tons/yr): dl Fuel Displacement: Coal:	Electricity Gen CO2 (tons/yr) 20,521 16,843	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0	Direct Use of CO2 (tons/yr) 14,410	Project SO2 (tons/yr) 131
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red	D.ENVII c): duction (tons/yr): il Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gen CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFO	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0	Direct Use I CO2 (tons/yr) 14,410 11,827 7,953	Project
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi	D.ENVII c): duction (tons/yr): il Fuel Displacement: Coal: Fuel Oil:	Electricity Gen CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFO	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0	Direct Use I CO2 (tons/yr) 14,410 11,827	Project
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi	D.ENVII c): duction (tons/yr): il Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gen CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFO	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0	Direct Use I CO2 (tons/yr) 14,410 11,827 7,953	Project
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi Contact Name: Terr	D.ENVII c): duction (tons/yr): il Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landfill	Electricity Gen CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFO	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0 RMATION	Direct Use I CO2 (tons/yr) 14,410 11,827 7,953	Project
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossil Contact Name: Term Mailing Address: 184	D.ENVII c): duction (tons/yr): il Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landfill rance Pinto	Electricity Gen CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFO	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0 RMATION Roland McNeil	Direct Use I CO2 (tons/yr) 14,410 11,827 7,953	Project
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi Contact Name: Terr Mailing Address: 184 Phone Number: 407	D. ENVII c): duction (tons/yr): duction (tons/yr): duction (tons/yr): Coal: Fuel Oil: Natural Gas: Landfill rance Pinto 0 25th Street	Electricity Gen CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFO	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0 RMATION Roland McNeil 1840 25th Street	Direct Use I CO2 (tons/yr) 14,410 11,827 7,953	Project
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi Contact Name: Terr Mailing Address: 184 Phone Number: 407	D.ENVII c): duction (tons/yr): il Fuel Displacement: Coal: Fuel Oil: Natural Gas: Landfill rance Pinto 0 25th Street	Electricity Gen CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFO	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0 RMATION Roland McNeil 1840 25th Street	Direct Use I CO2 (tons/yr) 14,410 11,827 7,953	Project
Methane Reduction (tons/yr CO2 Equivalent of CH4 Red Emissions Avoided by Fossi Contact Name: Terr Mailing Address: 184 Phone Number: 407	D.ENVII c): duction (tons/yr): duction (tons/yr): duction (tons/yr): Coal: Fuel Oil: Natural Gas: Landfill rance Pinto 0 25th Street -567-8000 -770-5143	Electricity Gen CO2 (tons/yr) 20,521 16,843 11,325 E. CONTACT INFO	tential 4,785 100,487 teration Project SO2 (tons/yr) 130 108 0 RMATION Roland McNeil 1840 25th Street	Direct Use I CO2 (tons/yr) 14,410 11,827 7,953	Project

	A. G	Medley LF Expa		Landfill Cat	egory: Candidate
Landfill Owner:	WMI		nnual Acceptance Rate ((tons).	429,000
Landfill Owner Type:			ear Annual Acceptance		1992
Alternative Landfill N			esign Capacity (tons):		8,698,260
City:	Fort Lauderdale		cres Currently Landfilled	d (acres):	118
County:	Dade		verage Depth (feet):	- ()	100
State:	FL	w		18,018,000	
Year Open:	1955		998 Waste-in-Place (tons	5):	18,876,000
Year Closed:	2003	•		•••	,,
		B. LANDFILL GAS COI	LLECTION		
Estimated Methane G	eneration (mmscf/d):		3.79		
LFG Collection Syste	m Status:				
Current LFG Collecte	d (mmscf/d):				•
Collection and Treatn	nent System Required Under NS	PS/EG:	No		
	9 - 7 > - 2	C. LANDFILL GAS UTI	ILIZATION		
Current Utilization:					
Utilization Syste	m Status: Potential				
Utilization Syste	m Type: Medium Bti	J			
Utilization Syste	m Start Year:				
Electric Utility P	rovider(s): FPNL				
Natural Gas Prov	vider(s):				
Energy Purchase	r(s): Steel Found	ry			
Capacity:	Electric	ity Generation Project (MV	V) OR	Direct Use Project (mm	nBtu/hr)
Estimated Potent		, , , , , , , , , , , , , , , , , , , ,	12		118
Current Capacity			12		110
Planned Capacity					
-	1				
Utilities in County:		er & Light Company; Hor			
	D. ENVI	ROMENTAL BENEFITS	S OF UTILIZATION		
		Pote	ential	Curre	ent
Methane Reduction (t	•		21,891		0
CO2 Equivalent of CI	14 Reduction (tons/yr):		459,717		0
Emissions Avoided by	Fossil Fuel Displacement:	Electricity Gener	ration Project	Direct Use	Project
Emissions rivolated by	1 ossii 1 nei Diopiacemeni.	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		1	·		•
	Coal:	93,135	589	65,923	600
	Fuel Oil:	76,441	492	54,106	315
	Natural Gas:	51,400	0	36,382	C
2		E. CONTACT INFOR	MATION		
	Landfill	Owner		Landfill Operator	
Contact Name:	Steve Urich		Steve Urich		
Mailing Address:	9350 NW 89th Avenue		3750 Landfill Ro	ad	
Phone Number:	305-882-9029		305-883-7670		
	: JUJ-004-7U47 :		303-003-7070		
Fax Number:			!		
Itallicized indicates	values estimated by EPA.	Dece	ember 5, 1998	State: FL	Page: 12
£	sion 1.0 / LMOP	5000			<i></i>
COMPAN SIAK Ver	SIOR LU / LIVIUP				

1		,	Naples SLF Cell #6 Co	ollier County	Landfill Category:	Candidate
		A. G	ENERAL LANDFILL I	INFORMATION		
Landfill Owner:	Collier	County	A	Annual Acceptance Ra	ate (tons):	249,600
Landfill Owner Type	: Public		Y	ear Annual Acceptar	nce Rate Reported:	1994
Alternative Landfill N	Name:		Γ	Design Capacity (tons):	
City:	Naples		A	Acres Currently Landf	filled (acres):	74
County:	Collier		A	Average Depth (feet):		94
State:	FL		V	Vaste-in-Place (tons):	:	4,992,000
Year Open:	1977		1	998 Waste-in-Place ((tons):	5,491,200
Year Closed:	2001					
		1	B. LANDFILL GAS CO	LLECTION		
Estimated Methane G	Generation (mmsc	f/d):		1.82		
LFG Collection Syste			Ор	erational		
Current LFG Collecte						
Collection and Treatm	nent System Requ	uired Under NSI	PS/EG:	No		
			C. LANDFILL GAS UI	ILIZATION		
Current Utilization:						
Utilization Syste	em Status:	Potential				
Utilization Syste		Unknown				
Utilization Syste						
Electric Utility F						
Natural Gas Pro						
Energy Purchase	er(s):					
Capacity:		Electrici	ty Generation Project (M	W) OR	Direct Use Project (mmBtu/h	r)
Estimated Poten	tial Canacity:			6		57
Current Capacity				0		31
Planned Capacit				,		
Utilities in County:					c; Lee County Electric Coop Inc	
		D. ENVII	ROMENTAL BENEFIT			
			Poi	rential	Current	•
Methane Reduction (t	•			10,537		0
CO2 Equivalent of Cl	H4 Reduction (to	ns/yr):		221,277		0
Emissions Avoided by	v Fossil Fuel Disr	olacement:	Electricity Gene	eration Project	Direct Use Projec	
Emissions rivolaca o	i rossii ruci Disp	лисстет.	CO2 (tons/yr)	SO2 (tons/yr)	1	D2 (tons/yr)
		Coal:	44,989	284	31,731	289
			·			
		Fuel Oil:	36,925	238	26,043	152
	N	atural Gas:	24,829	. 0	17,512	0
			E. CONTACT INFOI	RMATION		
Contact Name	B ::B !!	Landfill			Landfill Operator	
Contact Name:		Acting Director	•	; •		
Mailing Address:	3301 Tamiami East Building I			3301 Tamiam	ni Trail East	
Phone Number:	813-732-2507	· -		941-732-2508	3	
Fax Number:	813-774-9222			>	-	
* Italiais ad in Jissu	-t	hu EDA	Dog	ember 5, 1998	State: FL Page	: 13
* Itallicized indicates		UY EFA.	Dec	emuei 3, 1998	State: FL Page	. 13
STAR Ver	sion 1.0 / LMOP					

	North Central LF Site 201 A. GENERAL LANDFILL INFORMATION					
Landfill Owner:	Polk County Board of C	Commissioners	Annual Acceptance Rate		348,000	
Landfill Owner Type:	Public		Year Annual Acceptance	Rate Reported:	1998	
Alternative Landfill Name:			Design Capacity (tons):	1.	70	
City:	Winter Haven		Acres Currently Landfille	ed (acres):	79	
County:	Polk		Average Depth (feet):		150	
State:	FL		1998 Waste-in-Place (to		4,146,000	
Year Open:	1976		1998 Waste-in-Place (ton	<i>is):</i>	4,146,000	
Year Closed:	2015	B. LANDFILL GAS C	COLLECTION			
E-i - AM-di Ci		0.121.101.1111.0.115	1.48		<u> </u>	
Estimated Methane Generation LFG Collection System Statu	- ·		1.40			
Current LFG Collected (mms			1.7			
Collection and Treatment Sys		os/EG:	Yes			
*** A		C. LANDFILL GAS U				
Current Utilization:						
Utilization System Statu	s: Operational					
Utilization System Type	· · · · · · · · · · · · · · · · · · ·	nal				
Utilization System Start		••••	•			
Electric Utility Provider						
Natural Gas Provider(s):						
Energy Purchaser(s):		or Ridge Energy				
			MW) OR	Direct Use Project (mmBtu/l	n=)	
Capacity:		ty Generation Project (Direct Ose Project (Illinibituri		
Estimated Potential Cap	pacity:		5		46	
Current Capacity:	1				35	
Planned Capacity:						
Utilities in County:	Bartow City	Electric Dept; Florida	Power Corporation; Fort N	Meade City Govt; Lakeland Dep	ot of Elec	
	D. ENVII	ROMENTAL BENEF	ITS OF UTILIZATION		3/277	
		F	Potential	Current		
Methane Reduction (tons/yr):			8,548		6,553	
CO2 Equivalent of CH4 Redi	iction (tons/yr):		179,502		137,603	
Emissions Avoided by Fossil	Fuel Diaples amount	Flactricity Ca	neration Project	Divert Use Proje		
Emissions Avoided by Fossii	ruei Dispiacemeni:	CO2 (tons/yr)	SO2 (tons/yr)	Direct Use Proje CO2 (tons/yr) S	cı O2 (tons/yr)	
			·		_	
	Coal:	36,307	230	25,740	234	
	Fuel Oil:	29,799	192	21,126	123	
,	Natural Gas:	20,037	0	14,206	0	
	***	E. CONTACT INFO	ORMATION			
	Landfill	Owner		Landfill Operator		
Contact Name: , Sol	id Waste Director .		, Solid Waste D	irector		
Mailing Address: Soild	Waste Division		Solid Waste Div	ision		
-	vironmental Loop		10 Environmenta	al Loop		
1	284-4319		941-284-4319			
:	569-7374		7-1-204 4317			
* Itallicized indicates values e	estimated by EPA.	D	December 5, 1998	State: FL Pag	e: 14	
STAR Version 1.0	/ LMOP					

		North LI GENERAL LANDFILL		TON	Landfill Car	tegory: Candidate
Landfill Owner:	City of Jacksonville		Annual Accep			250,000
Landfill Owner Type:	Public			·=	Rate Reported:	
Alternative Landfill Nam			Design Capaci	•	1.	100
City:	Jacksonville		Acres Current		(acres):	126
County:	Duval	•	Average Deptl		- \	90
State:	FL		1994 Waste-in	-		4,900,000
Year Open: Year Closed:	1976 1992		1998 Waste-in	-Place (tons	·):	4,900,000
rear Closed:	1992	B. LANDFILL GAS CO	DLLECTION			
Estimated Methane Gene	ration (mmscf/d):		1.67			
LFG Collection System S		Oı	perational			
Current LFG Collected (r		·	4.5			
Collection and Treatment	System Required Under	NSPS/EG:	Yes			
Section and		C. LANDFILL GAS U	FILIZATION	J		
Current Utilization:						
Utilization System S	tatus: Planned					
Utilization System T	ype: Boiler					
Utilization System S	tart Year: 1998					
Electric Utility Prov	ider(s): Jackson	ville Electric Authority				
Natural Gas Provide	r(s):					
Energy Purchaser(s)	:					
Capacity:	Elec	tricity Generation Project (M	1W) (OR	Direct Use Project (mr	nBtu/hr)
Estimated Potential			5			52
Current Capacity:	capacity.		J			
Planned Capacity:			7.5			94
						, ,
	Clay Fle	ectric Cooperative Inc. Florid		ght Compan	v. Jacksonville Reach F	
Utilities in County:	-	ctric Cooperative Inc; Floric	la Power & Li	-	y; Jacksonville Beach E	
	-	VIROMENTAL BENEFIT	la Power & Li	-		lec Dept; Okefe
Utilities in County:	D, EN	VIROMENTAL BENEFIT	la Power & Li	ZATION	y; Jacksonville Beach E	lec Dept; Okefe
Utilities in County: Methane Reduction (tons)	D. EN	VIROMENTAL BENEFIT	da Power & Li IS OF UTILI	9,663		lec Dept; Okefe ent
Utilities in County: Methane Reduction (tons)	D. EN	VIROMENTAL BENEFIT	da Power & Li IS OF UTILI	ZATION		lec Dept; Okefe
Utilities in County: Methane Reduction (tons) CO2 Equivalent of CH4 I	D. EN /yr): Reduction (tons/yr):	VIROMENTAL BENEFI	la Power & Li IS OF UTIL	9,663 202,917	. Curr	ent 17,345 364,241
Utilities in County: Methane Reduction (tons) CO2 Equivalent of CH4 I	D. EN /yr): Reduction (tons/yr):	VIROMENTAL BENEFI Po Electricity Gen	la Power & Li FS OF UTILI stential eration Projec	9,663 202,917	. Curr	ent 17,345 364,241 Project
Utilities in County: Methane Reduction (tons) CO2 Equivalent of CH4 I	D. EN /yr): Reduction (tons/yr):	VIROMENTAL BENEFI	la Power & Li IS OF UTIL	9,663 202,917	. Curr	ent 17,345 364,241
Utilities in County:	D. EN /yr): Reduction (tons/yr): ssil Fuel Displacement: Coal:	Po Electricity Gen CO2 (tons/yr) 41,042	la Power & Li FS OF UTILI stential eration Projec	9,663 202,917 ct ms/yr)	Direct Use CO2 (tons/yr) 29,098	ent 17,345 364,241 Project SO2 (tons/yr) 265
Utilities in County: Methane Reduction (tons, CO2 Equivalent of CH4 I	D. EN /yr): Reduction (tons/yr): ssil Fuel Displacement:	Po Electricity Gen CO2 (tons/yr)	la Power & Li FS OF UTILI stential eration Projec	9,663 202,917 ct ns/yr) 259	Curr Direct Use CO2 (tons/yr)	ent 17,345 364,241 Project SO2 (tons/yr)
Utilities in County: Methane Reduction (tons, CO2 Equivalent of CH4 I	D. EN /yr): Reduction (tons/yr): ssil Fuel Displacement: Coal: Fuel Oil:	Electricity Gen CO2 (tons/yr) 41,042 33,686	la Power & Li FS OF UTILA stential eration Project SO2 (too	9,663 202,917 ct ns/yr) 259 217	Direct Use CO2 (tons/yr) 29,098 23,882	ent 17,345 364,241 Project SO2 (tons/yr) 265 139
Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I Emissions Avoided by Fo.	D. EN /yr): Reduction (tons/yr): ssil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gen CO2 (tons/yr) 41,042 33,686 22,651	la Power & Li FS OF UTILA stential eration Project SO2 (too	9,663 202,917 ct ns/yr) 259 217	Direct Use CO2 (tons/yr) 29,098 23,882	ent 17,345 364,241 Project SO2 (tons/yr) 265 139
Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I Emissions Avoided by Fo.	D. EN /yr): Reduction (tons/yr): ssil Fuel Displacement: Coal: Fuel Oil: Natural Gas:	Electricity Gen CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFO	la Power & Li FS OF UTILI stential eration Project SO2 (too	9,663 202,917 ct ns/yr) 259 217	Direct Use CO2 (tons/yr) 29,098 23,882 16,059 Landfill Operator	ent 17,345 364,241 Project SO2 (tons/yr) 265 139
Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I Emissions Avoided by Fo. Contact Name:	D. EN /yr): Reduction (tons/yr): ssil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Land	Electricity Gen CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFO	la Power & Li FS OF UTIL. Itential eration Project SO2 (tool RMATION Chris	9,663 202,917 et ms/yr) 259 217 0	Direct Use CO2 (tons/yr) 29,098 23,882 16,059 Landfill Operator	ent 17,345 364,241 Project SO2 (tons/yr) 265 139
Methane Reduction (tonss. CO2 Equivalent of CH4 I Emissions Avoided by For	D. EN Ayr): Reduction (tons/yr): ssil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Land hris Pierson, Chris Pierso	Electricity Gen CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFO	rs OF UTILA tential eration Project SO2 (too	9,663 202,917 ct ns/yr) 259 217 0	Direct Use CO2 (tons/yr) 29,098 23,882 16,059 Landfill Operator ris Pierson	ent 17,345 364,241 Project SO2 (tons/yr) 265 139
Methane Reduction (tons. CO2 Equivalent of CH4 I Emissions Avoided by Fo. Contact Name: Contact Name: Contact Name: R	D. EN /yr): Reduction (tons/yr): ssil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Land hris Pierson, Chris Pierso	Electricity Gen CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFO	rs OF UTILI stential eration Project SO2 (total RMATION Chris 515 L Room	9,663 202,917 et ms/yr) 259 217 0 Pierson, Chi	Direct Use CO2 (tons/yr) 29,098 23,882 16,059 Landfill Operator ris Pierson	ent 17,345 364,241 Project SO2 (tons/yr) 265
Methane Reduction (tons. CO2 Equivalent of CH4 I Emissions Avoided by Fo. Contact Name: Contact Name: Contact Name: R	D. EN Ayr): Reduction (tons/yr): ssil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Land hris Pierson, Chris Pierso 15 Laura St oom 634, 6th Floor	Electricity Gen CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFO	rs of UTIL. reration Project SO2 (total RMATION Chris 515 L Room 904-6	9,663 202,917 ct ns/yr) 259 217 0 Pierson, Chaura St 1634, 6th Flo	Direct Use CO2 (tons/yr) 29,098 23,882 16,059 Landfill Operator ris Pierson	ent 17,345 364,241 Project SO2 (tons/yr) 265 139
Methane Reduction (tons) CO2 Equivalent of CH4 I Emissions Avoided by For Contact Name: Mailing Address: R Phone Number:	D. EN Ayr): Reduction (tons/yr): ssil Fuel Displacement: Coal: Fuel Oil: Natural Gas: Land hris Pierson, Chris Pierso 15 Laura St oom 634, 6th Floor 04-632-8081	Electricity Gen CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFO fill Owner	rs of UTIL. reration Project SO2 (total RMATION Chris 515 L Room 904-6	9,663 202,917 et ns/yr) 259 217 0 Pierson, Chaura St 1634, 6th Fla 32-8081 32-4471	Direct Use CO2 (tons/yr) 29,098 23,882 16,059 Landfill Operator ris Pierson	ent 17,345 364,241 Project SO2 (tons/yr) 265

			ange County SLF AK NERAL LANDFILI			Landfill Category	Current
T - 4611 O	0						768,000
Landfill Owner: Landfill Owner Type:	=	County Utilities I	DIVISION		Acceptance Rate (t nnual Acceptance R		1998
Alternative Landfill N					Capacity (tons):	ate Reported.	1970
City:	oanie. Orlando			_		(acres):	180
County:	Orange	_		Acres Currently Landfilled (acres): Average Depth (feet):			50
State:	FL			1998 Waste-in-Place (tons):			7,700,000
Year Open:	1971			1998 Waste-in-Place (tons):			7,700,000
Year Closed:	1997			1770 11	asie-in-i iace (ions,	/.	7,700,000
Teal Closed.	1997	В.	LANDFILL GAS C	OLLEG	CTION		
Estimated Methane G	eneration (mmsc				39	<u> </u>	· · · · · · · · · · · · · · · · · · ·
LFG Collection System	_	<i>(14)</i> .		2.	3)		
Current LFG Collecte					7.9		
Collection and Treatm	•	sired Under NSPS	ÆG:		No		
Concension and Treatm	iem system Keqi		LANDFILL GAS U				
Current Utilization:							
Utilization System	m Statue:	Operational					
Utilization System		Gas Turbine					
Utilization System		1997 ·					
Electric Utility P		1227					
Natural Gas Prov							
Energy Purchase	` '	Orlando Litilit	ies Commission				
	1(3).	-					
Capacity:		Electricity	Generation Project (MW)	OR	Direct Use Project (mmBtu/h	ır)
Estimated Potent	-				8		75
Current Capacity				8.	0		62
Planned Capacity	y :					•	
Utilities in County:		Florida Power	Corporation; Orland	o Utilitie	es Commission		
		D. ENVIRO	MENTAL BENEF	ITS OF	UTILIZATION		
			P	otential		Current	
Methane Reduction (to	ons/vr):				13,803		30,450
CO2 Equivalent of CH		ns/vr):			289,869		639,446
Emissions Avoided by	Fossil Fuel Disp	olacement:	Electricity Ge	neration	Project	Direct Use Projec	et
			CO2 (tons/yr)	S	SO2 (tons/yr)	CO2 (tons/yr) Se	02 (tons/yr)
		Coal:	59,196		374	41,567	378
		Fuel Oil:	48,585		313	34,116	199
	3 .:	atural Gas:	32,669		0	22,940	0
	IV						
		Landfill O	E. CONTACT INFO	JRMA)	CION	Landfill Operator	
Contact Name:	Alan Ispass C	hief of Purchasing			Dan Morrical		
	1	_		,		. .	
Mailing Address:	109 East Churc	ch Street			5901 Young Pine	Road	
	Suite 410				P.O. Box 720067		
Phone Number:	407-836-7231			!	407-836-6600		
Fax Number:	407-836-6709			1		•	
* Itallicized indicates	values estimated	by FPA		ecembe	r 5, 1998	State: FL Page	e: 16
į.	oion 10/1MOD	•			,		

	Osceola Road LF A. GENERAL LANDFILL INFORMATION					tegory: Candidate
-	-					
Landfill Owner:		ole County		nnual Acceptance Rate		402,405
Landfill Owner Type:	Public			ear Annual Acceptance	Rate Reported:	1998
Alternative Landfill No City:	ame: Sanforo	4		esign Capacity (tons): cres Currently Landfille	od (naras):	26,994,601
County:	Samore	-		cres Currently Landille verage Depth (feet):	ed (acres):	
State:	FL	лс		'aste-in-Place (tons):	4,292,860	
Year Open:	1978			998 Waste-in-Place (ton	ıs):	4,744,740
Year Closed:	2040		•	, , , , , , , , , , , , , , , , , , ,	,.	
]	B. LANDFILL GAS CO	LLECTION		
Estimated Methane Ge	eneration (mmsc	f/d):		1.63		
LFG Collection System		,,-				
Current LFG Collected						
Collection and Treatme	ent System Req	uired Under NSI	PS/EG:	Yes		
			C. LANDFILL GAS UT	ILIZATION		
Current Utilization:		•				
Utilization System	n Status:	Unknown				
Utilization System	• •	Unknown				
Utilization System						
Electric Utility Pr						
Natural Gas Provi	• •					
Energy Purchaser	(s):					
Capacity:		Electrici	ty Generation Project (MV	W) OR	Direct Use Project (mr	nBtu/hr)
Estimated Potenti	al Capacity:			5	· · · · · · · · · · · · · · · · · · ·	51
Current Capacity:				ı		
Planned Capacity	:			!		[
Hilliaine in Country		Florido Dov	on & Linh Communication	ida Danna Camanaia	Anna de la companya d	
Utilities in County:			er & Light Company; Flor			
		D. ENVII	ROMENTAL BENEFITS	S OF UTILIZATION		
			Pote	ential	Curr	ent
Methane Reduction (to				9,433		0
CO2 Equivalent of CH	4 Reduction (to	ns/yr):		198,095		0
Emissions Avoided by	Fossil Fuel Dist	placement:	Electricity Gener	ration Project	Direct Use	Project
			CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
		Coal:	40,253	254	28,407	259
		Fuel Oil:	33,038	213	23,315	136
	N	atural Gas:	22,215	0	15,677	0
			E. CONTACT INFOR	MATION		
-		Landfill (Owner		Landfill Operator	
Contact Name:	Fred Blakely	-		Fred Blakely		
Mailing Address:	Central Transfe	er Station		Central Transfer	Station	;
:	1634 SR 419			1634 SR 419	Julion	•
Phone Number:	407-322-7605					; !
	401-344-1003			407-322-7605		
Fax Number:						i !
* Itallicized indicates v	alues estimated	by EPA.	Dece	ember 5, 1998	State: FL	Page: 17
COLDI	10/13/65	<i>y</i> —	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	,		

Palm Beach County LF #3 Dyer Road Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION 577,720 Landfill Owner: Palm Beach County Annual Acceptance Rate (tons): **Public** Year Annual Acceptance Rate Reported: 1990 Landfill Owner Type: Alternative Landfill Name: Design Capacity (tons): City: Palm Beach Acres Currently Landfilled (acres): 253 County: Palm Beach Average Depth (feet): 75 15,598,440 State: FL Waste-in-Place (tons): Year Open: 1968 1998 Waste-in-Place (tons): 15,598,440 Year Closed: 1994 B. LANDFILL GAS COLLECTION Estimated Methane Generation (mmscf/d): 4.41 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: Yes C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Planned Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Florida Power and Light Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Capacity: 14 138 Estimated Potential Capacity: Current Capacity: Planned Capacity: Florida Power & Light Company; Lake Worth Utilities, City of **Utilities in County:** D. ENVIROMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 25,484 0 CO2 Equivalent of CH4 Reduction (tons/yr): 535,154 0 Emissions Avoided by Fossil Fuel Displacement: **Electricity Generation Project** Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 108,920 689 76,740 698 Fuel Oil: 89,397 575 62,985 367 Natural Gas: 60,112 0 42,352 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Don Lockhart, Director Mark Brunner Mailing Address: 7501 North Jog Road 5114 Okeechobee Boulevard Phone Number: 407-471-2700 561-471-2700 Fax Number: 407-683-4067 * Itallicized indicates values estimated by EPA. December 5, 1998 State: FL Page: 18

			Perdido L			Landfill Category	Current
			ENERAL LANDFILL	INFORMAT	ION		
Landfill Owner:	-	Gov't BOCC		Annual Accep			200,200
Landfill Owner Type:					-	Rate Reported:	1990
Alternative Landfill N				Design Capac	-	• /	
City:	Canton			Acres Current		ed (acres):	110
County:	Escamb	oia		Average Depti			60
State: Year Open:	FL 1981			1994 Waste-i 1998 Waste-in	•	•	4,050,400 4,851,200
Year Closed:	2030		I	990 wasie-in	-Fiace (ion	s):	4,651,200
real closed.	2030]	B. LANDFILL GAS CO	LLECTION	l		
Estimated Methane G	eneration (mmsc	f/d):		1.66			
LFG Collection Syste		,	Op	erational			
Current LFG Collecte			•	2.0			
Collection and Treatm	nent System Requ	uired Under NSF	PS/EG:	Yes			
			C. LANDFILL GAS UT	TILIZATION	1		
Current Utilization:							
Utilization Syste		Operational					
Utilization Syste		Boiler					
Utilization Syste		1997					
Electric Utility P		•					
Natural Gas Prov	* *	a		_			
Energy Purchase	r(s):	Champion Ii	nternational Paper, Canto	nnent F			
Capacity:		Electrici	ty Generation Project (M	(W)	OR	Direct Use Project (mmBtu/h	ır)
Estimated Potent	tial Capacity:			5			52
Current Capacity	:			2.3			42
Planned Capacity	y :				1		
Utilities in County:		Escambia Ri	ver Elec Coop Inc; Gulf	Power Co; So	outheastern	Power Admin	
		D. ENVI	ROMENTAL BENEFIT	S OF UTIL	ZATION	Statement of the	
			Po	tential		Current	
Methane Reduction (t	ons/yr):				9,591	- - - - -	7,709
CO2 Equivalent of CI	•	ns/yr):			201,401		161,885
.,							
Emissions Avoided by	Fossil Fuel Disp	placement:	Electricity Gene	-		Direct Use Projec	
			CO2 (tons/yr)	SO2 (to	ns/yr)	CO2 (tons/yr) So	02 (tons/yr)
		Coal:	41,042		259	28,881	263
		Fuel Oil:	33,686		217	23,704	138
	N	atural Gas:	22,651		0	15,939	0
		Landfill	E. CONTACT INFO	RMATION		Landfill Operator	
Contact Name:	David Gregory	, Acting Directo	r	·		•	
Mailing Address:	13009 Beulah I	_		Route	. 4		
Maining Address.	13009 Bedian	Roau			10, Beulah	Road	
Phone Number:	850-968-6628				68-6628		
Fax Number:	904-968-5690			030-9	00-0020		
* Itallicized indicates		•	Dec	cember 5, 199	8	State: FL Page	:: 19
STAR Vers	sion 1.0 / LMOP						

			Dade Solid Waste DERAL LANDFILL I	•	•	Landfill Cat	egory: Curre
Landfill Owner:	Mata						414.700
Landfill Owner Type:	Public	Dade Solid Waste M	_	_	otance Rate (t		414,700 1998
Alternative Landfill Nam					-	Rate Reported:	16,196,761
	ie: Miami			esign Capac	= '	(agras):	10,190,761
City:	Dade				tly Landfilled	(acres):	140
County:				verage Dept		۸.	
State:	FL				n-Place (tons		7,464,600
Year Open: Year Closed:	1978 2012		I	998 wasie-ii	n-Place (tons):	7,464,600
Teal Closed.	2012	B. L	ANDFILL GAS CO	LLECTION	J		
Estimated Methane Gene	ration (mmsc			2.33			
LFG Collection System S		.j/u/.		2.55			
Current LFG Collected (1							
Collection and Treatment	•	mired Under NSPS/F	G·	Yes			
Concensi and Treatment		C. L			V		
Current Utilization:					``		
	3	Company of the second					
Utilization System S Utilization System T		Construction Medium Btu					
Utilization System S							
•		1999					
Electric Utility Prov Natural Gas Provide							
	• •						
Energy Purchaser(s)):						
Capacity:		Electricity C					
		Electricity O	eneration Project (M	W)	OR	Direct Use Project (mn	nBtu/hr)
Estimated Potential	Capacity:	Electricity G	eneration Project (M	W) 7	OR	Direct Use Project (mn	nBtu/hr)
	Capacity:	Electricity G	eneration Project (M		OR	Direct Use Project (mn	
Estimated Potential	Capacity:	Electricity G	eneration Project (M		OR	Direct Use Project (mn	
Estimated Potential Current Capacity: Planned Capacity:	Capacity:		Light Company; Ho	7 6.6		Direct Use Project (mn	73
Estimated Potential Current Capacity:	Capacity:	Florida Power &		7 6.6 mestead, Cit	y of	Direct Use Project (mn	73
Estimated Potential Current Capacity: Planned Capacity:	Capacity:	Florida Power &	Light Company; Ho IENTAL BENEFIT	7 6.6 mestead, Cit	y of	Direct Use Project (mn	73 51
Estimated Potential Current Capacity: Planned Capacity: Utilities in County:		Florida Power &	Light Company; Ho IENTAL BENEFIT	7 6.6 mestead, Cit	y of		73 51
Estimated Potential Current Capacity: Planned Capacity: Utilities in County:	/yr):	Florida Power & D. ENVIRON	Light Company; Ho IENTAL BENEFIT	7 6.6 mestead, Cit	y of IZATION		73 51
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I	·/yr): Reduction (to	Florida Power & D. ENVIRON ons/yr):	Light Company; Ho IENTAL BENEFIT Pot	7 6.6 mestead, Cit S OF UTIL ential	y of IZATION 13,455 282,559	Curre	73 51 ent
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I	·/yr): Reduction (to	Florida Power & D. ENVIRON ons/yr):	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene	7 6.6 mestead, Cit S OF UTIL ential .	y of IZATION 13,455 282,559 ct	Curro Direct Use	73 51 ent O Project
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I	·/yr): Reduction (to	Florida Power & D. ENVIRON ons/yr):	Light Company; Ho IENTAL BENEFIT Pot	7 6.6 mestead, Cit S OF UTIL ential	y of IZATION 13,455 282,559 ct	Curre	73 51 ent
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I	·/yr): Reduction (to	Florida Power & D. ENVIRON ons/yr):	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene	7 6.6 mestead, Cit S OF UTIL ential .	y of IZATION 13,455 282,559 ct	Curro Direct Use	73 51 ent O Project
Estimated Potential Current Capacity: Planned Capacity: Utilities in County:	·/yr): Reduction (to	Florida Power & D. ENVIRON ms/yr): placement:	Light Company; Ho TENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr)	7 6.6 mestead, Cit S OF UTIL ential .	y of IZATION 13,455 282,559 ct ns/yr)	Curro Direct Use CO2 (tons/yr)	73 51 ent O Project SO2 (tons/yr)
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I	Ayr): Reduction (to pssil Fuel Dis	Florida Power & D. ENVIRON ons/yr): placement: Coal:	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr) 57,617	7 6.6 mestead, Cit S OF UTIL ential .	y of IZATION 13,455 282,559 ct ns/yr) 364	Direct Use CO2 (tons/yr) 40,519	73 51 ent 0 0 Project SO2 (tons/yr) 369
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I	Ayr): Reduction (to pssil Fuel Dis	Florida Power & D. ENVIRON ons/yr): placement: Coal: Fuel Oil: Natural Gas:	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr) 57,617 47,290 31,798	7 6.6 mestead, Cit S OF UTIL ential ration Proje SO2 (to	y of IZATION 13,455 282,559 ct ns/yr) 364 304 0	Direct Use CO2 (tons/yr) 40,519 33,256	73 51 ent 0 0 Project SO2 (tons/yr) 369 194
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I	Ayr): Reduction (to pssil Fuel Dis	Florida Power & D. ENVIRON ons/yr): placement: Coal: Fuel Oil: Natural Gas:	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr) 57,617 47,290 31,798 CONTACT INFORM	7 6.6 mestead, Cit S OF UTIL ential ration Proje SO2 (to	y of IZATION 13,455 282,559 ct ns/yr) 364 304 0	Direct Use CO2 (tons/yr) 40,519 33,256	73 51 ent 0 0 Project SO2 (tons/yr) 369
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons, CO2 Equivalent of CH4 I Emissions Avoided by Fo	Ayr): Reduction (to pssil Fuel Dis	Florida Power & D. ENVIRON ms/yr): placement: Coal: Fuel Oil: Vatural Gas: Landfill Own	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr) 57,617 47,290 31,798 CONTACT INFOR	7 6.6 mestead, Cit S OF UTIL ential ration Proje SO2 (to	y of IZATION 13,455 282,559 ct ns/yr) 364 304 0	Direct Use CO2 (tons/yr) 40,519 33,256 22,362	73 51 ent 0 0 Project SO2 (tons/yr) 369 194
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I Emissions Avoided by Fo	Andrew Wilfo	Florida Power & D. ENVIRON ons/yr): placement: Coal: Fuel Oil: Vatural Gas: Landfill Own ork, Director	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr) 57,617 47,290 31,798 CONTACT INFOR	7 6.6 mestead, Cit S OF UTIL ential ration Proje SO2 (to	y of IZATION 13,455 282,559 ct ns/yr) 364 304 0	Direct Use CO2 (tons/yr) 40,519 33,256 22,362 Landfill Operator	73 51 ent 0 0 Project SO2 (tons/yr) 369 194
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons, CO2 Equivalent of CH4 I Emissions Avoided by Fo Contact Name: Amailing Address: A	Andrew Wilfo	Florida Power & D. ENVIRON ms/yr): placement: Coal: Fuel Oil: Vatural Gas: Landfill Own	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr) 57,617 47,290 31,798 CONTACT INFOR	7 6.6 mestead, Cit S OF UTIL ential ration Proje SO2 (to	y of IZATION 13,455 282,559 ct ms/yr) 364 304 0 nte Castro Northwest 5:	Direct Use CO2 (tons/yr) 40,519 33,256 22,362 Landfill Operator	73 51 ent 0 0 Project SO2 (tons/yr) 369 194
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I Emissions Avoided by Fo Contact Name: Address: S	Andrew Wilfo	Florida Power & D. ENVIRON ons/yr): placement: Coal: Fuel Oil: Vatural Gas: Landfill Own ork, Director est 53rd Street	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr) 57,617 47,290 31,798 CONTACT INFOR	7 6.6 mestead, Cit S OF UTIL ential ration Proje SO2 (to	y of IZATION 13,455 282,559 ct ns/yr) 364 304 0 nte Castro Northwest 5: 201	Direct Use CO2 (tons/yr) 40,519 33,256 22,362 Landfill Operator	73 51 ent 0 0 Project SO2 (tons/yr) 369 194
Estimated Potential Current Capacity: Planned Capacity: Utilities in County: Methane Reduction (tons. CO2 Equivalent of CH4 I Emissions Avoided by Fo Contact Name: Address: S Phone Number: 3	Andrew Wilfo	Florida Power & D. ENVIRON ons/yr): placement: Coal: Fuel Oil: Vatural Gas: Landfill Own ork, Director est 53rd Street	Light Company; Ho IENTAL BENEFIT Pot Electricity Gene CO2 (tons/yr) 57,617 47,290 31,798 CONTACT INFOR	7 6.6 mestead, Cit S OF UTIL ential ration Proje SO2 (to	y of IZATION 13,455 282,559 ct ms/yr) 364 304 0 nte Castro Northwest 5:	Direct Use CO2 (tons/yr) 40,519 33,256 22,362 Landfill Operator	73 51 ent 0 0 Project SO2 (tons/yr) 369 194

		Southport Road SLF		Landfill Ca	tegory: Candidate
	A.	GENERAL LANDFILL	INFORMATION		
Landfill Owner:	Osceola County Soli	l Waste	Annual Acceptance Rate	(tons):	85,800
Landfill Owner Type:	Public		Year Annual Acceptance	Rate Reported:	1994
Alternative Landfill Na	me:		Design Capacity (tons):		
City:	Kissimmee		Acres Currently Landfille	d (acres):	35
County:	Osceola		Average Depth (feet):		
State:	FL		Waste-in-Place (tons):		1,029,600
Year Open:	1985		1998 Waste-in-Place (ton	s):	1,201,200
Year Closed:	1998				
		B. LANDFILL GAS CO	OLLECTION		
Estimated Methane Ger	neration (mmscf/d):		0.73		
LFG Collection System	Status:				
Current LFG Collected	(mmscf/d):				
Collection and Treatme	ent System Required Under N	SPS/EG:	No		
		C. LANDFILL GAS U	TILIZATION		
Current Utilization:					
Utilization System	Status: Unknown				
Utilization System	Type: Unknown				
Utilization System	Start Year:				
Electric Utility Pro	ovider(s):				
Natural Gas Provi	der(s):				
Energy Purchaser((s):				
Capacity:	Electr	icity Generation Project (N	1W) OR	Direct Use Project (mr	nBtu/hr)
Estimated Potentia	al Capacity:		2		23
Current Capacity:					
Planned Capacity:					
Utilities in County:		ower Corporation; Kissimn IROMENTAL BENEFI		River Electric Coop Inc;	St Cloud Elec
	D. Liv		otential	Curr	ent
Methane Reduction (to	ns/yr):		4,193		0
CO2 Equivalent of CH4	•		88,053		0
Emissions Avoided by I	Fossil Fuel Displacement:	1	eration Project	Direct Use	·
	•	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	18,153	115	12,627	115
	Fuel Oil:	14,899	96	10,363	60
	Natural Gas:	10,019	0	6,968	0
		E. CONTACT INFO	RMATION	!	
	Landfi	ll Owner		Landfill Operator	
Contact Name:	Board of County Commission	ners	Leonard Marion		
Mailing Address:	17 South Vernon Avenue		4400 Hunt Road		
Phone Number:	407-892-2397		ANT 0AT AA01		
1			407-847-4481		
Fax Number:	407-847-9172				
£	alues estimated by EPA.	De	ecember 5, 1998	State: FL	Page: 21

		Sunbeam Road SLF		Landfill Cate	gory: Curren
		GENERAL LANDFILL INFO			
Landfill Owner:	WMI		Il Acceptance Rate (1		328,900
Landfill Owner Type:	Private		Annual Acceptance F	Rate Reported:	0
Alternative Landfill Name			Capacity (tons):		
City:	Jacksonville		Currently Landfilled	(acres):	75
County:	Duval 		ge Depth (feet):		10
State:	FL		Waste-in-Place (tons		2,250,000
Year Open:	1972	1998 1	Vaste-in-Place (tons):	2,250,000
Year Closed:	1989	B. LANDFILL GAS COLLE	CTION		
Estimated Methane General	ation (mmsof/d):		0.99		
LFG Collection System St	•	Operation			
Current LFG Collected (m			0.4		
	Misci <i>id)</i> . System Required Under NS		No		
Conection and Treatment	System Required Order NS	C. LANDFILL GAS UTILIZ			
Current Utilization:					
Utilization System St	atus: Operationa	1			
Utilization System Ty	•				
Utilization System St	= = = = = = = = = = = = = = = = = = = =	, , , , , , , , , , , , , , , , , , ,			
Electric Utility Provide					
Natural Gas Provider					
Energy Purchaser(s):					
Capacity:	Electric	city Generation Project (MW)	OR	Direct Use Project (mml	Btu/hr)
Estimated Potential C	Capacity:		3		31
Current Capacity:		. (0.8		8
Planned Capacity:					
Utilities in County:	Clay Electr	ic Cooperative Inc; Florida Pov	ver & Light Compan	y; Jacksonville Beach Ele	ec Dept; Okefe
	D. ENVI	ROMENTAL BENEFITS OF	UTILIZATION		
		Potentia	ı	Currer	nt
Methane Reduction (tons/)	r):		5,744		1,542
CO2 Equivalent of CH4 Re			120,622		32,378
Emissions Avoided by Fos	sil Fuel Displacement:	Electricity Generatio	•	Direct Use P	roject
		CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	Coal:	24,468	155	17,297	157
	Fuel Oil:	20,082	129	14,197	83
	Natural Gas:	13,503	0	9,546	0
		E. CONTACT INFORMA	TION		
	Landfill	Owner		Landfill Operator	
Contact Name: Jol	nn Wong, Env'l Health and	Safety Mgr			
Mailing Address:					
ivialing Address:					
Phone Number: 81	2 (21 2052				
Thone runnoer. 81.	3-621-3053				
Fax Number:					
* Itallicized indicates value	es estimated by FPA	Decembe	er 5, 1998	State: FL	Page: 22
		December	,		5

			Tomoka Farms	Road LF		Landfill Catego	ory: Current
		A. G	ENERAL LANDFILL	INFORMA'	ΓΙΟΝ		
Landfill Owner:				Annual Acce	ptance Rate (tons):	284,570
Landfill Owner Type:	Public			Year Annual	Acceptance I	Rate Reported:	1993
Alternative Landfill N	ame:			Design Capac	city (tons):		
City:	Dayton	a Beach		Acres Curren	tly Landfilled	d (acres):	80
County:	Volusia	ı		Average Dep	th (feet):		100
State:	FL			1994 Waste-	in-Place (tons	s):	7,569,140
Year Open:	1981			1998 Waste-i	n-Place (tons	;):	7,853,710
Year Closed:	1995						
			B. LANDFILL GAS CO	OLLECTIO!	Ň		
Estimated Methane Ge	eneration (mmsc	f/d):		2.43			
LFG Collection System	-			Planned			
Current LFG Collected	d (mmscf/d):			5.0			
Collection and Treatm	ent System Requ	ired Under NSI	PS/EG:	No			
			C. LANDFILL GAS U	TILIZATIO	N		
Current Utilization:							
Utilization System	m Status:	Operational					
Utilization System		Reciprocatin	ng Engine				
Utilization System	• •	1998	5 6				
Electric Utility Pr							
Natural Gas Prov							
Energy Purchaser	r(s):	Florida Pow	er & Light				
			_				
Capacity:		Electrici	ity Generation Project (N	1W)	OR	Direct Use Project (mmBt	tu/hr)
Estimated Potent	ial Capacity:			8			76
Current Capacity	:			3.5			104
Planned Capacity	:						
Utilities in County:		Clay Electri	c Cooperative Inc; Floric	da Power & L	ight Compan	y; Florida Power Corporati	on; New Sm
-		-	ROMENTAL BENEFI				
		D. EIVI	KOMENTAL BENETT	1301 0111.	AZATION	_	
			Po	otential		Current	
Methane Reduction (to	•				14,031		19,272
CO2 Equivalent of CH	14 Reduction (to	ns/yr):			294,643		404,712
Emissions Avoided by	Fossil Fuel Dist	olacement:	Electricity Gen	eration Proje	ect .	Direct Use Pro	piect
Emissions in outcome	rossii ruci Disp	incernerii.	CO2 (tons/yr)	SO2 (to	ŀ	CO2 (tons/yr)	SO2 (tons/yr)
		<i>c</i> .		202 (10			•
		Coal:	59,985		379	42,251	384
		Fuel Oil:	49,233		317	34,678	202
	N	atural Gas:	33,105		0	23,318	0
		Landfill	E. CONTACT INFO	RMATION		Landfill Operator	
Contact Name:	Jim Griffin, Di						
34-95 A 13	†			100	Wasa I sali	A	
Mailing Address:	1994 Tomoka	rarm Road		123	West Indiana	Avenue	
Phone Number:	904-947-2952			904	736-2700		
Fax Number:	904-736-5957			, ,04-	750-2700		
1 ax railloct.	20 1 -130-3931						
* Itallicized indicates v	alues estimated	by EPA.	De	ecember 5, 19	98	State: FL P	age: 23

			U.S. 27 South	h LF		Landfill Categor	y: Candidate
	· · · · · · · · · · · · · · · · · · ·	A. G	ENERAL LANDFILL	INFORMA'	TION		
Landfill Owner:	Leon C	ounty		Annual Acce	ptance Rate	(tons):	127,270
Landfill Owner Type:	Public				_	Rate Reported:	1993
Alternative Landfill Na	ame:		i	Design Capa	city (tons):		2,605,279
City:	Tallaha	ssee	,	Acres Curren	tly Landfill	ed (acres):	20
County:	Leon		1	Average Dep	th (feet):		40
State:	FL			1998 Waste-	in-Place (to	ons):	1,200,000
Year Open:	1977		i	1998 Waste-i	n-Place (to	ns):	1,200,000
Year Closed:	2002						
	•]	B. LANDFILL GAS CO	DLLECTIO	N		,
Estimated Methane Ge	neration (mmsc	f/d)·		0.72			
LFG Collection System		μα).		0.72			
Current LFG Collected							
Collection and Treatme	-	uired Linder NSI	PS/FG·	No			
Conceron and Treatme	em oystem requ		C. LANDFILL GAS U		N .		
				<u> </u>			
Current Utilization:							
Utilization System		Potential					
Utilization System		Unknown					
Utilization System							
Electric Utility Pr			•				
Natural Gas Provi	* *						
Energy Purchaser	(s):						
Capacity:		Electrici	ty Generation Project (M	íW)	OR	Direct Use Project (mmBtu/	'hr)
	al Camaritan			2	!		23
Estimated Potenti				2			23
Current Capacity:					1		
Planned Capacity	•				; 		
Utilities in County:		Florida Pow	er Corporation; Southeas	stern Power A	Admin; Tall	ahassee Elec Dept; Talquin Ele	ectric Coo
		D. ENVII	ROMENTAL BENEFI	IS OF UTII	IZATION		
						1	
M 1 D 1 d 4			Po	tential	4 101	Current	0
Methane Reduction (to	-	()			4,191		0
CO2 Equivalent of CH	4 Reduction (toi	ns/yr):			88,015		0
Emissions Avoided by	Fossil Fuel Dist	olacement:	Electricity Gen	eration Proje	ect	Direct Use Proje	ect
Zimbblenb i i e e e e e	. 00011 1 1101 2 15p		CO2 (tons/yr)	SO2 (to			5O2 (tons/yr)
		<i>C</i> ,	-				•
		Coal:	18,153		115	12,621	115
		Fuel Oil:	14,899		96	10,359	60
	N	atural Gas:	10,019		0	6,966	0
	_		E. CONTACT INFO	DMATION			
		Landfill	Commence of the Commence of th	RMATION		Landfill Operator	
						Candilli Operator	
Contact Name:	Jud Curtis, Dir	ector		Jud	Curtis		
Mailing Address:	Leon County C	Courthouse		Cou	nty Courtho	ouse	
	Room 201			1			
Phone Number:	904-488-8003			904	488-8003		
- N				704	.50 0005		
Fax Number:	904-488-1260						•
* Itallicized indicates v	alues estimated	by EPA.	De	cember 5, 19	98	State: FL Pag	ge: 24
1	1011	- 🗸 —- · · ·			-		, -,

		West Palm Beach #7	Landfill Category: Candidate
	A. GI	ENERAL LANDFILL INFORMATION	
Landfill Owner:	Palm Beach County	Annual Acceptance Rate (tons)):
Landfill Owner Type:	Public	Year Annual Acceptance Rate	
Alternative Landfill Name:		Design Capacity (tons):	·
City:	West Palm Beach	Acres Currently Landfilled (ac	res):
County:		Average Depth (feet):	
State:	FL	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:		,	
	H	LANDFILL GAS COLLECTION	
Estimated Methane Generation	n (mmscf/d):		
LFG Collection System Status	•		
Current LFG Collected (mmsc			t
Collection and Treatment Syst		S/EG: No	
		E. LANDFILL GAS UTILIZATION	
Current Utilization:			
Utilization System Status	s: Planned		
Utilization System Type:			
Utilization System Start			
Electric Utility Provider(
Natural Gas Provider(s):			
Energy Purchaser(s):	Florida Powe	er and Light Co.	
Capacity:		-	rect Use Project (mmBtu/hr)
Estimated Potential Capa	acity		
Current Capacity:	acity.		
Planned Capacity:			
Utilities in County:			,
	D. ENVIR	OMENTAL BENEFITS OF UTILIZATION	the second control of the second control of
		Potential	Current
Methane Reduction (tons/yr):			
CO2 Equivalent of CH4 Reduc	ction (tons/yr):		
F	C 10: 1	El	D: . W . D
Emissions Avoided by Fossil I	uei Dispiacement:	Electricity Generation Project	Direct Use Project
		CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
	Coal:		
	Fuel Oil:		•
	Natural Gas:		
		E. CONTACT INFORMATION	
	Landfill (andfill Operator
Contact Name:		Mark Brunner	
Mailing Address:			
ividining Addicess.		,	
Phone Number:		561-471-2700	
		301-4/1-2/00	
Fax Number:	-74		
* Itallicized indicates values es	stimated by EPA.	December 5, 1998	State: FL Page: 25

		A. GI	Wright LF ENERAL LANDFILL IN	NFORMATION	Landfill Cat	egory: Candidate
Landfill Owner:			At	nual Acceptance Rate	e (tons):	225,609
Landfill Owner Type	:			ear Annual Acceptance		0
Alternative Landfill I				esign Capacity (tons):	•	
City:	Crestvie	ew	Ac	cres Currently Landfill	led (acres):	160
County:	Okaloos	sa	A	verage Depth (feet):		8
State:	FL		W	aste-in-Place (tons):		6,542,657
Year Open:	1961		19	98 Waste-in-Place (to	ns):	6,542,661
Year Closed:	1989		TANDINI TO CO	T. C. T. C.		
·		······································	. LANDFILL GAS COI			
Estimated Methane C	•	%d):		1.67		
LFG Collection Syste						
Current LFG Collecte		' III-I- NGD	C/F/C	NI-	•	
Collection and Treatr	ment System Requ		S/EG: C. LANDFILL GAS UTI	No LIZATION		
Current Utilization:		`	LANDINE GAS CIT	DEATION		
Utilization Syste	em Statue	Potential				
Utilization Syste		Unknown				
Utilization Syste		, clikilowii				
Electric Utility I						
Natural Gas Pro						
Energy Purchase	er(s):					
Capacity:		Electricit	y Generation Project (MV	V) OR	Direct Use Project (mn	nBtu/hr)
		_				·····
ESUMAIPA PAIPA	itial Capacity:			5		52
Estimated Poten Current Capacity				5		52
Current Capacity Planned Capacity	y:			5		52
Current Capacity	y:	Choctawhatc	hee Elec Coop Inc; Gulf I		n Power Admin	
Current Capacity Planned Capacit	y:		hee Elec Coop Inc; Gulf I	Power Co; Southeaster		
Current Capacity Planned Capacit	y:		OMENTAL BENEFITS	Power Co; Southeaster		
Current Capacity Planned Capacity Utilities in County:	y: .y:			Power Co; Southeaster OF UTILIZATION ntial		
Current Capacity Planned Capacity Utilities in County: Methane Reduction (y: .ry: .ton's/yr):	D. ENVIR	OMENTAL BENEFITS	Power Co; Southeaster S OF UTILIZATION ntial 9,673		ent 0
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	y: .y: tons/yr): H4 Reduction (ton	D. ENVIR	OMENTAL BENEFITS Pote	Power Co; Southeaster S OF UTILIZATION ntial 9,673 203,135	Curre	
Current Capacity Planned Capacity Utilities in County: Methane Reduction (y: .y: tons/yr): H4 Reduction (ton	D. ENVIR	OMENTAL BENEFITS Pote Electricity Gener	Power Co; Southeaster OF UTILIZATION ntial 9,673 203,135 nation Project	Curre Direct Use	ent 0
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	y: .y: tons/yr): H4 Reduction (ton	D. ENVIR	OMENTAL BENEFITS Pote	Power Co; Southeaster S OF UTILIZATION ntial 9,673 203,135	Curre	ent 0
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	y: .y: tons/yr): H4 Reduction (ton	D. ENVIR	OMENTAL BENEFITS Pote Electricity Gener	Power Co; Southeaster OF UTILIZATION ntial 9,673 203,135 nation Project	Curre Direct Use	
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	y: .y: tons/yr): H4 Reduction (ton	D, ENVIR	OMENTAL BENEFITS Pote Electricity Gener CO2 (tons/yr)	Power Co; Southeaster S OF UTILIZATION ntial 9,673 203,135 ation Project SO2 (tons/yr)	Direct Use of CO2 (tons/yr)	ent 0 0 Project SO2 (tons/yr)
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	y: .y: tons/yr): H4 Reduction (ton y Fossil Fuel Disp.	D, ENVIR as/yr): lacement: Coal:	OMENTAL BENEFITS Pote Electricity Gener CO2 (tons/yr) 41,042	Power Co; Southeaster S OF UTILIZATION ntial 9,673 203,135 ation Project SO2 (tons/yr) 259	Direct Use of CO2 (tons/yr) 29,129	ent 0 0 Project SO2 (tons/yr) 265
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	y: .y: tons/yr): H4 Reduction (ton y Fossil Fuel Disp.	D. ENVIR as/yr): lacement: Coal: Fuel Oil:	Pote Electricity Gener CO2 (tons/yr) 41,042 33,686	Power Co; Southeaster FOR UTILIZATION ntial 9,673 203,135 nation Project SO2 (tons/yr) 259 217 0	Direct Use of CO2 (tons/yr) 29,129 23,908	ent 0 0 Project SO2 (tons/yr) 265
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	y: .y: tons/yr): H4 Reduction (ton y Fossil Fuel Disp.	D. ENVIR as/yr): lacement: Coal: Fuel Oil:	Electricity Gener CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFOR	Power Co; Southeaster FOR UTILIZATION ntial 9,673 203,135 nation Project SO2 (tons/yr) 259 217 0	Direct Use of CO2 (tons/yr) 29,129 23,908	ent 0 0 Project SO2 (tons/yr) 265
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control	y: .y: tons/yr): H4 Reduction (ton y Fossil Fuel Disp.	D. ENVIR as/yr): lacement: Coal: Fuel Oil: atural Gas:	Electricity Gener CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFOR	Power Co; Southeaster FOR UTILIZATION ntial 9,673 203,135 nation Project SO2 (tons/yr) 259 217 0	Direct Use of CO2 (tons/yr) 29,129 23,908 16,076 Landfill Operator	ent 0 0 Project SO2 (tons/yr) 265
Current Capacity Planned Capacity Planned Capacity Utilities in County: Methane Reduction (a CO2 Equivalent of Co Emissions Avoided by Contact Name:	y: tons/yr): H4 Reduction (ton y Fossil Fuel Disp.	D. ENVIR as/yr): lacement: Coal: Fuel Oil: atural Gas: Landfill C	Electricity Gener CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFOR	Power Co; Southeaster S OF UTILIZATION ntial 9,673 203,135 ation Project SO2 (tons/yr) 259 217 0 MATION	Direct Use CO2 (tons/yr) 29,129 23,908 16,076 Landfill Operator	ent O Project SO2 (tons/yr) 265
Current Capacity Planned Capacity Utilities in County: Methane Reduction (CO2 Equivalent of C. Emissions Avoided by	tons/yr): H4 Reduction (ton y Fossil Fuel Disp. No. David Heinrich 1759 South Free	D. ENVIR as/yr): lacement: Coal: Fuel Oil: atural Gas: Landfill C	Electricity Gener CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFOR	Power Co; Southeaster S OF UTILIZATION ntial 9,673 203,135 ation Project SO2 (tons/yr) 259 217 0 MATION David Heinrich 1759 South Fere	Direct Use CO2 (tons/yr) 29,129 23,908 16,076 Landfill Operator	ent Conserved Project SO2 (tons/yr) 265
Current Capacity Planned Capacity Planned Capacity Utilities in County: Methane Reduction (In CO2 Equivalent of Content of Content Name: Mailing Address: Phone Number:	tons/yr): H4 Reduction (ton y Fossil Fuel Disp. No. David Heinrich 1759 South Fred 904-689-5772	D. ENVIR as/yr): lacement: Coal: Fuel Oil: atural Gas: Landfill C	Electricity Gener CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFOR	Power Co; Southeaster S OF UTILIZATION ntial 9,673 203,135 ation Project SO2 (tons/yr) 259 217 0 MATION David Heinrich 1759 South Fere 904-689-5772	Direct Use CO2 (tons/yr) 29,129 23,908 16,076 Landfill Operator	ent O Project SO2 (tons/yr) 265
Current Capacity Planned Capacity Utilities in County: Methane Reduction (ICO2 Equivalent of Capacity) Emissions Avoided by Contact Name: Mailing Address:	David Heinrich 1759 South Free 904-689-5786	D. ENVIR as/yr): lacement: Coal: Fuel Oil: atural Gas: Landfill C	Electricity Gener CO2 (tons/yr) 41,042 33,686 22,651 E. CONTACT INFOR	Power Co; Southeaster S OF UTILIZATION ntial 9,673 203,135 ation Project SO2 (tons/yr) 259 217 0 MATION David Heinrich 1759 South Fere	Direct Use CO2 (tons/yr) 29,129 23,908 16,076 Landfill Operator	ent O Project SO2 (tons/yr) 265