



AGENDA

- Linc Services
- City of Pflugerville Key Initiatives
- Linc Service's Fiscal Planning Advantage
- Viability of Program for City
- Solution Timeline



THE LINC Group











- ✓ Over 16,000 customers nationwide
- ✓ Over 1 Billion Square Feet of Space Managed
- ✓ Utilize local in-house personnel for projects & service
- ✓ Over 300 Locations
- ✓ Low Overhead/Cost Effective Solutions

- ✓ We are not a Product Manufacturer
- ✓ Best Solutions
- ✓ Unparalleled technical capabilities
- ✓ Our Core Business is Facilities
- ✓ Shared Expertise and Best Practices

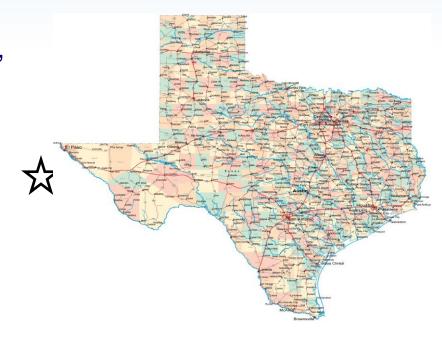
Renovate - Operate - Maintain



Linc Service - TEXAS

Local Organization

- ✓ Offices in Houston, Dallas, Austin, San Antonio, Lubbock, Odessa, Midland, Amarillo, El Paso, and Brownsville
- ✓ TX employees exceed 600
- √ 470 TX clients
- ✓ In-house capabilities
- √ 1968 opened our first office in Texas
- ✓ Over 43 years of service to the TX marketplace.





Executive Comments

How We Help Our Customers

- ✓ Provide Capital Improvement Funding through your existing Operating Budgets
- ✓ Strategic Equipment Asset Management
- ✓ Create Lower Operating Profiles
- ✓ Provide Sustainability to our Customers
 Portfolio "Going Green"





City of Pflugerville Key Initiatives

- Review and recommend street lighting updates with Oncor and electric supplier
- Analysis city facilities for energy efficiency, lighting,
 HVAC, water, gas, rates, maintenance, IAQ
- Review city parks for lighting, security, pumps
- Review existing solar applications for efficiency

Ling Customer Data Reviewed

- Budgets
- Annual City Utility Records
- Financial Records
- Facility Improvement Needs/Plans
- Capital Improvement Plans
- Unfunded Needs
- Utility Contracts
- Access To Facilities/Personnel
- And More...



City Parks

- Lighting Retrofits
- HVAC Replacements
- Controls
- VFDs
- Retrocommissioning
- EV Station





Justice Center

- Lighting Retrofits
- Boiler Replacement
- Controls
- Retrocommissioning
- EV Stations





City Hall Complex

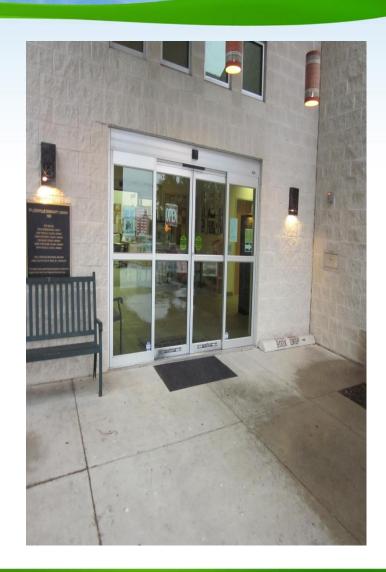
- Occ Sensors/Lighting
- HVAC replacements
- Controls
- Retrocommissioning
- EV Stations





Library

- Lighting Retrofits
- Ciralites
- Retrocommissioning
- EV Stations





Recreation Center

- Min. Lighting Retrofits
- Controls
- HVAC replacements
- Retrocommissioning
- EV Stations





Wastewater/Water **Treatment**

- Lighting Retrofits
- Retrocommissioning
- HVAC Replacement
- Controls

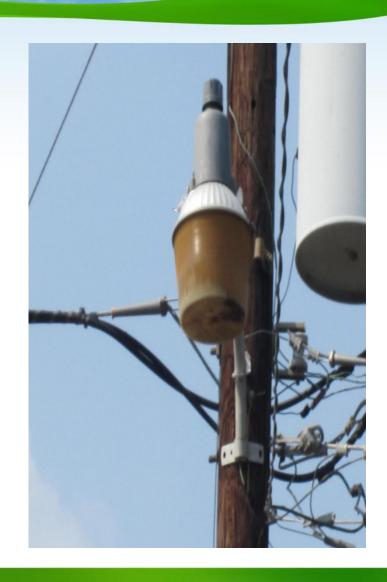






Streetlights Phase II

- Owned by Oncor
- Change all streetlights to same wattage/class
- Add streetlights to dark areas/security areas





Location	Measure	Energy Savings (MMBtu/yr)	Energy Savings (kWh/yr)	Fuel Rate (\$/MMBTU)	Electric Rate (\$kwh +TDSP)	Energy Cost Savings (\$/yr) (calculated)	Source	Notes
Suite 100, Utility Billing and Finance	ECM-1: Lighting Retrofit		2567	\$ -	0.13	345	DKO	Rebates not included, assuming 30% savings from Occupancy Sensors, see lighting usage check.xls. Also assumed 50% of lighting load is in the office space., 6 occ sensors
Suite 100, Utility Billing and Finance	ECM-2: Retrocommissioning		2140	\$ -	0.13	288	DKO	Existing split systems, heat pumps, 12 years
Suite 100, Utility Billing and Finance	ECM-3: Controls Upgrade		13091	\$ -	0.13	1,762	DKO	Linc Mechanical Honeywell Control, Start/Stop
Suite 100, Utility Billing and Finance	ECM-5: HVAC Replacement		2864	\$ -	0.13	385	DKO	Linc Mechanical, replacement of (1) 4 ton unit, SEER 15.7
Suite 100, Utility Billing and Finance	ECM-19: EV Charging stations		-8640	\$ -	0.13	-1,163	DKO/MJ	Michael Jones, Coulomb, 3 EV charging stations on Main street at City Hall
Suite 200, Building Inspection	ECM-1: Lighting Retrofit		5709	\$ -	0.11	633	DKO	Rebates not included, assuming 30% savings from Occupancy Sensors, see lighting usage check.xis. Also assumed 50% of lighting load is in the office space., 9 occ sensors
Suite 200, Building Inspection	ECM-2: Retrocommissioning		4758	\$ -	0.11	528	DKO	Existing split systems, heat pumps, 12 years
Suite 200, Building Inspection	ECM-3: Controls Upgrade		17766	\$ -	0.11	1,971	DKO	Linc Mechanical Honeywell Control, Start/Stop
Suite 200, Building Inspection	ECM-5: HVAC Replacement		7026	\$ -	0.11	779	DKO	Linc Mechanical, replacement of (2) 3 ton units, SEER 15.7
Suite 300/400, City Manager/Planning	ECM-1: Lighting Retrofit		3572	\$ -	0.15	526	DKO	Rebates not included, assuming 30% savings from Occupancy Sensors, see lighting usage check.xls. Also assumed 50% of lighting load is in the office space., 14 occ sensors
Suite 300/400, City Manager/Planning	ECM-2: Retrocommissioning		2977	\$ -	0.15	438	DKO	Existing split systems, heat pumps, 12 years
Suite 300/400, City Manager/Planning	ECM-3: Controls Upgrade		10779	\$ -	0.15	1,588	DKO	Linc Mechanical Honeywell Control, Start/Stop
Suite 300/400, City Manager/Planning	ECM-5: HVAC Replacement		3983	\$ -	0.15	587	DKO	Linc Mechanical, replacement of (1) 3 ton unit and (1) 4 ton unit, SEER 15.7, replacing 2.5 and 3.5 ton unit
Suite 500 City Council Chambers, Training Bldg	ECM-1: Lighting Retrofit		1192	\$ -	0.13	161	DKO	Rebates not included, assuming 30% savings from Occupancy Sensors, see lighting usage check.xls. Also assumed 50% of lighting load is in the office space., 2 occ sensors



Suite 500 City Council Chambers, Training Bldg	ECM-1: Lighting Retrofit		1192	\$	-	0.13	161	DKO	Rebates not included, assuming 30% savings from Occupancy Sensors, see lighting usage check.xls. Also assumed 50% of lighting load is in the office space., 2 occ sensors
	ECM-2: Retrocommissioning		0	\$	-	0.13	0	DKO	replacement of both HVAC units, no RCX
Suite 500 City Council Chambers, Training Bldg	ECM-3: Controls Upgrade		1493	\$	-	0.13	201	DKO	Linc Mechanical Honeywell Control, Start/Stop
	ECM-5: HVAC Replacement		2341	\$	-	0.13	316	DKO	Linc Mechanical, replacement of (1) 2 ton 16.5 SEER unit and (1) 5 ton SEER 15.7 unit
	ECM-1: Lighting Retrofit		73012	\$	-	0.10	7,283	LLE	Rebates included, new addition breaking ground in July 2011, limited HVAC involvement, Ciralight skylight possibility at Library,
Library	ECM-2: Retrocommissioning		o	\$	-	0.10	o	DKO	no RCX, demo of existing HVAC units, new addition
									\$2,800-3,000 per unit installed, per Cliff Keddie, assume 15 skylights,
	ECM-18: Skylight		17105			0.10	1,706	DKO	90,117-73,012=17,105, reduced annual burn time to 1,456 hrs
	ECM-19: EV Charging stations		-3600	\$	-	0.10	-359	DKO	2 EV charging stations
Recreation Center	ECM-1: Lighting Retrofit		61821	\$	-	0.10	6,164	LLE	Rebates not included
Recreation Center	ECM-2: Retrocommissioning			\$	-	0.10	a	DKO	no RCX, proposing replacement of existing HVAC units
Recreation Center	ECM-3: Controls Upgrade		8587	\$	-	0.10	856	DKO	Linc Mechanical Honeywell Control, Start/Stop, economizer, demand control ventilation
Recreation Center	ECM-5: HVAC Replacement		22294	\$	-	0.10	2,223	DKO	Linc Mechanical, replacement of 80.5 Tons to SEER 13 units
	ECM-19: EV Charging stations		-8760	\$	-	0.10	-873	DKO	2 EV charging stations
	ECM-1: Lighting Retrofit		154872	Ś	6.73	0.09	14,170	LLE	Rebates not included
	ECM-2: Retrocommissioning		58607	Ś	6.73	0.09	5,362	DKO	Existing split systems, heat pumps, 12 years
	ECM-3: Controls Upgrade		197120	Ś	6.73	0.09	18,036	DKO	Linc Mechanical Honeywell Control, Start/Stop
	ECM-4: Boiler Retrofit	527		\$	6.73	0.09	3,546	DKO	Current 85 % boiler, 12 yrs old (assumed currently at 80% efficency), to new boiler assuming 80% to 95% new boiler efficiency
Justice Center/Police Department	ECM-19: EV Charging stations		-2880	\$	6.73	0.09	-264	DKO	2. EV charging station



Windermere Pool, VFD, HOA	ECM-1: Lighting Retrofit	22469	\$	-	0.10	2,247	LLE	Rebates not included
Windermere Pool, VFD, HOA	ECM-2: Retrocommissioning	960	\$	-	0.13	120	DKO	2 (3) ton
Windermere Pool, VFD, HOA	ECM-3: Controls Upgrade	1280	\$	-	0.13	160	DKO	Linc Mechanical Honeywell Control, Start/Stop
Gilleland Creek Pool/Park, open all year, 20 HP	ECM-1: Lighting Retrofit	22469	\$ 7	7.18	0.10	2,247	LLE	Rebates not included
Gilleland Creek Pool/Park, open all year, 20 HP	ECM-2: Retrocommissioning	a	\$ 7	7.18	0.10	0	DKO	no RCX, proposing replacement of existing HVAC units
								VFD on 20 hp pump, assumed 1/3 of annual pump energy usage at 120,000 kWh/yr, assuming 80% estimated average flow and 168
Gilleland Creek Pool/Park, open all year, 20 HP	ECM-3: Controls Upgrade	41214	\$ 7	7.18	0.10	3,961	DKO	hrs/wk;http://www.alliantenergy.com/UtilityServices/ForYourBusiness/E nergyExpertise/EnergySafety/010794; also included is StartStop for office HVAC 4 ton unit, 1214 kWh/yr
Gilleland Creek Pool/Park, open all year, 20 HP	ECM-5: HVAC Replacement	2610	\$ 7	7.18	0.10	251	DKO	Linc Mechanical, replacement of (1) 4 ton unit, SEER 15.7
Menzter Pool, water feature, 30 HP, 7.5 HP 24/7	ECM-1: Lighting Retrofit	22469	\$	-	0.10	2,247	LLE	Rebates not included
Menzter Pool, water feature, 30 HP, 7.5 HP 24/7	ECM-3: Controls Upgrade	8586	\$	-	0.13	1,147	DKO	VFD on 7.5 hp pump, assumed 1/3 of annual pump energy usage at 24,000 kWh/yr. Also verified with website: assuming 90% estimated average flow and 168 hrs/kw, see website http://www.alliantenergy.com/UtilityServices/ForYourBusiness/EnergyExpertise/EnergySafety/010794; also included is StartStop for office HVAC 2.5 ton unit, 540 kWh/yr
Menzter Pool, water feature, 30 HP, 7.5 HP 24/7	ECM-19: EV Charging stations	-3600	\$	-	0.13	-481		2 EV charging stations
Heritage Red Barn	ECM-1: Lighting Retrofit	1	\$	-	0.14	0	LLE	Rebates not included
Pfluger Park	ECM-1: Lighting Retrofit	1000	\$	-	0.10	100	LLE	Rebates not included
North Shore Park, Restrooms, rental pavillion	ECM-1: Lighting Retrofit	1000	\$	-	0.10	100	LLE	Rebates not included



Streetlights	ECM-1: Lighting Retrofit		980033	\$ -	0.074	72,312	LLE	Rebates not included
Wastewater Treatment Plant, Bio Building/Offices	ECM-1: Lighting Retrofit		67842	ė .	0.11	7,741	LLE	Rebates not included
wastewater Treatment Plant, Bio Building/Offices	ECM-1. Lighting Netront		67842	3 -	0.11	7,741	LLE	Rebates not included
Wastewater Treatment Plant, Bio Building/Offices	ECM-2: Retrocommissioning		2016	\$ -	0.11	230	DKO	Existing split systems, heat pumps, 12 years
Wastewater Treatment Plant, Bio Building/Offices	ECM-3: Controls Upgrade		2560	\$ -	0.11	292	DKO	Linc Mechanical Honeywell Control, Start/Stop
	ECM-5: HVAC Replacement		1958	\$ -	0.11	223	DKO	Linc Mechanical, replacement of (1) 3 ton unit, SEER 15.7
Wastewater Treatment Plant, Bio Building/Offices								
Water Treatment Plant Membrane/Offices	ECM-1: Lighting Retrofit		46423	\$ -	0.10	4,529	LLE	Rebates not included
Water Treatment Plant Membrane/Offices	ECM-2: Retrocommissioning		4992	\$ -	0.10	487	DKO	Existing split systems, 2 and 4 ton
water freatment Plant Membrane/Offices	ECM-2. Retrocommissioning		4992	, -	0.10	467	DKU	existing spire systems, 2 and 4 ton
Water Treatment Plant Membrane/Offices	ECM-3: Controls Upgrade		4160	\$ -	0.10	406	DKO	Linc Mechanical Honeywell Control, Start/Stop
Fire Department	ECM-19: EV Charging stations		-3600	\$ -	0.10	-360	DKO	2 EV charging stations
	TOTALS	527	1,878,637			165,155.80	-	





Total Project Cost: \$1,044,970

Total Savings Over Term: \$1,722,037

Rate of Financing: 4.30%

Term of Financing: 10

Annual Utility Rate Increase: 0.00%

Annual Operation Rate Increase 2.00% Annual Service Cost Increase: 2.00%

Total Cash Flow: \$1,722,037

Simple Payback: 4.48

	Savings	Savings	Total	Annual	Monitor	Total	Annual	Accumulative
	From	From	Program	Project	and	Program	Cash	Cash
YEAR	Electric Eff.	Operations	Savings	Cost	Verification	Cost	Flow	Flow
0	\$25,100	\$22,000	\$47,100	\$0	\$0	\$0	\$47,100	\$47,100
1	\$101,183	\$131,929	\$233,112	\$129,840	\$0	\$129,840	\$103,272	\$150,372
2	\$103,207	\$77,727	\$180,734	\$129,840	\$0	\$129,840	\$50,894	\$201,266
3	\$105,271	\$79,078	\$184,348	\$129,840	\$10,000	\$139,840	\$44,508	\$245,774
4	\$107,376	\$80,659	\$188,035	\$129,840	\$10,200	\$140,040	\$47,995	\$293,769
5	\$109,524	\$82,272	\$191,796	\$129,840	\$10,404	\$140,244	\$51,552	\$345,321
6	\$111,714	\$83,918	\$195,632	\$129,840	\$10,612	\$140,452	\$55,180	\$400,501
7	\$113,948	\$85,596	\$199,545	\$129,840	\$10,824	\$140,664	\$58,880	\$459,381
8	\$116,227	\$87,308	\$203,535	\$129,840	\$11,041	\$140,881	\$62,655	\$522,036
9	\$118,552	\$89,054	\$207,606	\$129,840	\$11,262	\$141,102	\$66,505	\$588,541
10	\$120,923	\$90,835	\$211,758	\$129,840	\$11,487	\$141,327	\$70,431	\$658,972
11	\$123,342	\$92,652	\$215,993	\$0	\$11,717	\$11,717	\$204,277	\$863,249
12	\$125,808	\$94,505	\$220,313	\$0	\$11,951	\$11,951	\$208,362	\$1,071,611
13	\$128,325	\$96,395	\$224,720	\$0	\$12,190	\$12,190	\$212,530	\$1,284,141
14	\$130,891	\$98,323	\$229,214	\$0	\$12,434	\$12,434	\$216,780	\$1,500,921
15	\$133,509	\$100,289	\$233,798	\$0	\$12,682	\$12,682	\$221,116	\$1,722,037
Totals	\$1,774,900	\$1,392,341	\$3,167,240	\$1,298,400	\$146,803	\$1,445,203	\$1,722,037	\$1,722,037



Executive Summary

- **Provides Long Term Strategic Asset Management Plan**
- Provides IMMEDIATE funding for critical facility upgrades
- Utilizes existing budget as the funding source
- **Average Annual Savings**
 - 5% to 10% Reduction in Annual Utility Spend
 - 10% to 20% Savings in Operations and Maintenance
- Produces a cash flow based on your needs
- Project is recommended
- Results are guaranteed!!!



Action Plan

•	Concept to City Staff	March	2011
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- Preliminary Engineering Study to Staff
 July 2011
- Present Study To City Council
 August 2011
- City Council Approval
 August 2011
- Contract Award August 2011
- Project Begins September 2011
- Completion of Project 4 to 6 Months