Integrated Physical Needs Assessments: What, Why & How

Jennifer Leone, Sustainability Officer, NYC Dep't of Housing Preservation & Development Jordan Dentz, Vice President, The Levy Partnership, Inc. Carl Hourihan, Project Manager, The Levy Partnership, Inc.

What is an IPNA?

IPNA = Integrated Physical Needs Assessment

- Physical needs assessment including energy, water, and health assessments, and identification of deficiencies or defects
- Identifies recommended improvements to enhance energy efficiency and address defects
- Objective is for building owners to incorporate cost effective energy efficiency, water conservation and health-related improvements in their capital planning
- Conducted every 15 years as a lead in to building recapitalization

Technical basis behind the IPNA (JD)

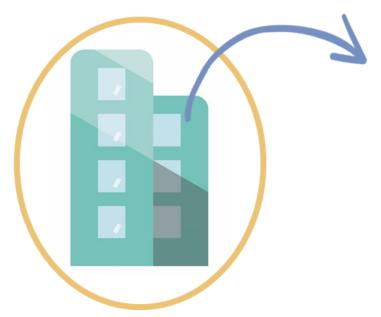
- The IPNA standard and reference standards
 - ASTM E2018-15 Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process
 - ASHRAE Procedures for Commercial Building Energy Audits Level 2

Roter Toom (Telma Explaining) persus to Looma Apparents to Ender reproduction induced.
--

Why are there IPNAs?

Why was the IPNA developed? (JL)

All Needs Solved

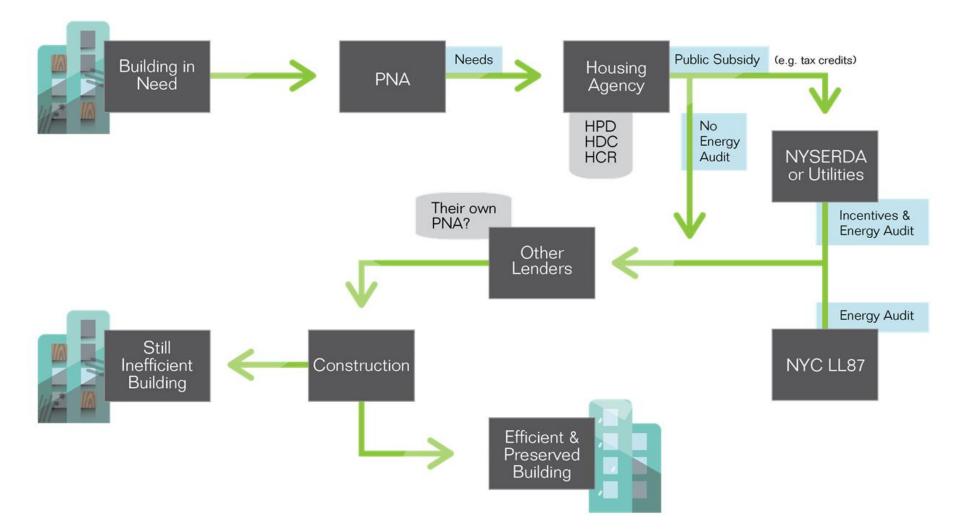


Solving capital and environmental problems is good for the building.

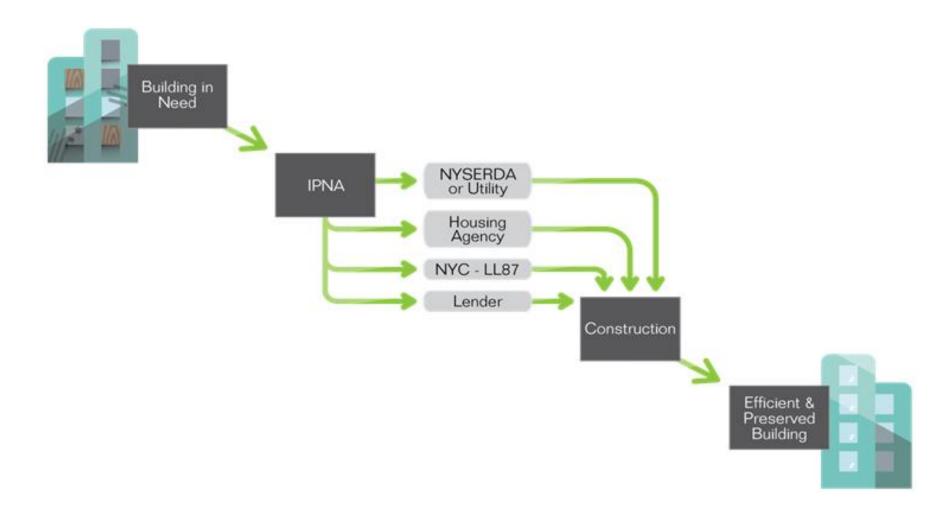
- Improves health
- Reduces costs
- Helps preservation

THE WHOLE IS GREATER THAN THE SUM OF THE PARTS

The "Old Way"



The IPNA Way













- NYC Housing Development Corporation (HDC)
- New York City Department of Housing Preservation and Development (HPD)
- New York State Homes and Community Renewal (HCR)
- NYSERDA

Why should affordable housing operators care?

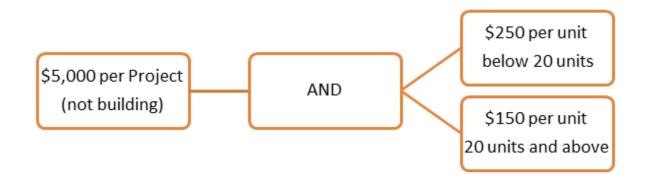
- IPNA is sometimes required by agencies for participation in multifamily affordable housing **financing programs**
- Leverages energy cost savings help to fund the project.
- Energy improvements are more **cost effective** when done at the end of useful life, or in conjunction with other work (e.g. roof insulation)
- Promotes an integrated approach that takes advantage of synergies between physical, environmental and health benefits
- IPNA **streamline**s access to more preservation **funding** and assistance from energy sources (e.g. NYSERDA, utilities)

How do I get an IPNA?

How do I get an IPNA?

Owner hires one of 14 HPD pre-qualified teams. Costs determined by market.

Financing:



Who is qualified to perform IPNAs?

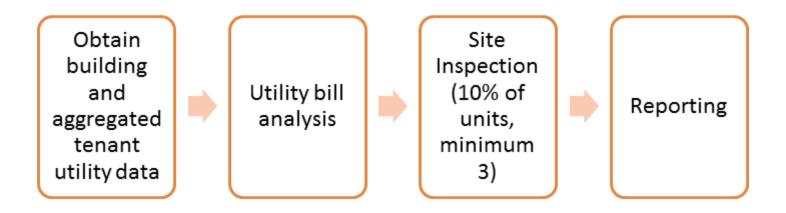
Needs Assessor

- Registered architect (RA)
- Professional engineer (PE)
- Minimum of three years of relevant work experience. At a minimum, this professional shall review and approve the Needs Assessment portion of the report.
- DoHMH Healthy Buildings Trainings for HPD-financed projects.

Energy Assessor

- AEE Certified Energy Manager (CEM)
- AEE Certified Energy Auditor (CEA)
- AEE Certified Measurement and Verification Professional (CMFP)
- BPI Multifamily Building Analyst (MFBA)
- ASHRAE High-Performance Building Design Professional (HPBDP)
- ASHRAE Building Energy Assessment Professional (BEAP)
- RESNET HERS

What's the process and how can I make my IPNA go smoothly?



Key items that require building cooperation: utility data; apartment access

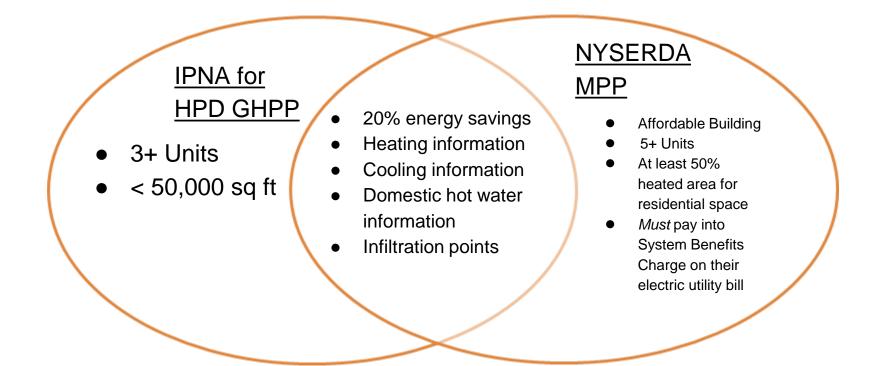
Building groups

Sampling can reduce costs for large projects at expense of complete data

- multiple identical buildings
- buildings renovated at same time
- inspect 20% of buildings



Does the IPNA dovetail with any other programs?



What's in my IPNA and how should I interpret the results?

IPNA Report Sections

- 1. Cover Page
- 2. Executive Summary
- 3. Executive Summary Continued
- 4. Objectives & Limitations
- 5. Building Information
- 6. Inspection Physical Needs
- 7. Inspection Energy and Water
- 8. Energy and Water Use
- 9. Solar Summary
- **10. Scope and Preliminary Estimates**
- **11. Replacement Cost Schedule**
- 12. Quality Assurance
- 13. Operation and Maintenance
- 14. Photos
- 15. Raw Utility Bills
- 16. Healthy Rehab Interventions
- 17. Environmental Exposure

Executive Summary

Improvement	Imple	imated mentation ost (\$)	Estimated Annual Utility Cost Savings (\$/yr)	Potential Health Benefit	Urgency
Site	d a				
Area / Yard Drains Replace the Area / Yard Drains	\$	163		None	Long Term (1 to 15 years)
Fire Passage Egress Stair Repour new Concrete Stairs at Fire Passage Egress via Courtyard	\$	1,600		None	Short Term (<12 months)
Landscaping / Vegetation Replace the Landscaping / Vegetation	Ş	200		None	Long Term (1 to 15 years)
Sidewalk Bridge Install Sidewalk Bridge and scaffolding at building frontage through duration of work	Ş	10,000		None	Long Term (1 to 15 years)
Concrete - Site Concrete around site at pavers & sidewalk where needed.	Ş	8,750		None	Long Term (1 to 15 years)
Masonry - Fire Passage Masonry - rebricking for minor repairs	Ş I	2,500		None	Long Term (1 to 15 years)
Masonry - Fire Passage Masonry - repointing for minor repairs	Ş	1,800		None	Long Term (1 to 15 years)
Concrete - Courtyard & Fire Passage Concrete - patching >4" deep - Courtyard & Fire Passage	\$	3,900		None	Long Term (1 to 15 years)

Physical Needs Inspection

INSPECTION - PHYSICAL NEEDS

SITE INSPECTION

	Material	Condition								
Sidewalk	Pavers	Average condition.								
Curbs	Concrete	Average condition. Minor spalling observed.								
Yard / Courtyard Concrete	Concrete	Average condition.								
Area / Yard Drains	Metal	Average condition.								
Ramps	None	<u>N/A</u>								
Stoop and Stairs	Concrete	Average								
Areaway / Sidewalk Grates	None	No Gates								
Fire Passages	Masonry	Poor condition								
Wrought Iron Fence/Gates	Wrought Iron	Good condition.								
Chain Link Fences	Chain link	Average condition.								
Debris	N/A	N/A								
Exterior Stairs	Stone	Average condition.								
Trash Enclosures	Timber	Average condition.								
Landscaping / Vegetation	Vegetation	Average condition.								
Open Space / Playground	Open Space	Average condition.								

Site Inspection Narrative / Recommendations

The sidewalk has areas were observed with age and cracking

The fire passages have debris and items inside fire passage preventing clear egress. Also street side exit stair are in poor shape with displaced treads

Energy & Water Inspection

BUILDING SYSTEMS

Heating Generation			Description								
Fuel Type	Natural Gas & #2	Oil									
Oil Storage Tanks	4000 Gallon	4000 Gallon									
Gas Meter(s) Gas Piping	Steel meters, cast	iron piping		92							
Boiler/Furnace Efficiency	Rated:	85%	Tested: 76%								

Condition

Make / Model

Boiler	A.L. Eastmond & Sons / FST 125	Average condition. Input (MBtu): 5320.
Burner	Industrial Combustion / DEG-54P	Average condition. Capacity: 54000.
Burner Controls	Industrial Combustion	Average condition.
Burner Control Settings	Type: Modulate	Set to: Auto
Gauges	Unknown	Average condition. Low pressure steam
Pumps	na	na
Air Separator	na	na
Expansion Tank	na	na
Chimney	Metal flue to masonry chimney	Average condition.
Damper and controls	na	na
Other Systems	na	na

Heating Generation Narrative / Recommendations

The boiler was installed in 1985, making it beyond it's expected lifespan and in need of replacement.

Energy & Water Inspection

BUILDING LIGHTING

Common Areas

Space	Lamp Watts	Lamps per Fixture	Qty of Fixtures	Operating Hours per Year	Floor Area (SF)	Lighting Power Density (LPD) (Divide total watts by floor area - w/SF)	Lamp Type
							T12 U-Lamp Fluorescent Type 2:
Basment Hallway	32	2	13	8760	1744	4,179	Incandescent
Boiler Room	60	2	3	730	1200	219	T12 Linear Fluorescent
Electrical Room	32	2	3	8760	600	2,803	T8 Linear Fluorescent
Floor Hallways	32	2	24	8760	1432	9,396	T8 Linear Fluorescent
Lobby	32	2	14	8760	2000	3,924	T12 Linear Fluorescent Type 2: Other
Vestibule	32	1	2	8760	40	14,016	Other
External	250	1	6	4380	600	10,950	Halogen

Apartments

Space	Lamp Watts	Lamps per Fixture	Qty of Fixtures	Operating Hours per Year	Lamp Type
Entry Ways	19	1.2	8	1460	Screw in CFL
Living/Dining	17.4	2	5	1460	Screw in CFL
Bedrooms	18	2	6	1460	Screw in CFL
Kitchens	18	2	7	1460	Screw in CFL
Bathrooms	20	1	6	1460	Screw in CFL

Energy & Water Inspection

Water Audit

RESULTS

		Me	Rated Flow (gpf)	Water Temperature in Apartment					
Apartment	Kitchen Faucet	Bathroom 1 Showerhead	Bathroom 2 Showerhead	Bathroom 1 Sink	Bathroom 2 Sink	Toilet	(°F)		
B8	1.5	1.5	na	2.2	na	1.6	126		
B6	0.75	2	na	1.6	na	1.6	126		
D9	1.5	0.75	na	1.1	na	1.6	124		
E11	1.5	1.6	na	1.1	na	1.6	123		
E4	2.5	1.6	na	1.1	na	1.6	125		
C12	1.4	2	na	0.75	na	1.6	124		
F1	1.3	2.5	na	2.7	na	1.6	124		
D3	1.4	1.7	na	1.2	na	1.6	127		

SUMMARY

		Average Flo	ow (gpf, gpm)*	Estimated	
Fixture	Number of fixtures	Existing	Proposed**	Usage (flushes/yr for toilets, hours/yr for showers and faucets)	Savings (gallons/ year)
Toilets	71	1.6	1.28	3804	86,427
Showers	71	1.7	1.5	101	89,125
Kitchen Faucets	71	1.5		6	0
Bathroom Faucets	71	1.5	0.35	63	310,554
Total Savings per year (gallons)				486,106

Water temperature delivered to fixtures:

125 °F

Energy & Water Use

Summary of Utility Data Analysis

				Existing A	Annual Er	iergy Use							Projected A	nnual En	ergy Use	×	·	-	
	Electricity (kwh/yr)	Natural Gas (therms/yr)	Oil #2 (gal/yr)	Oil #4 (gal/yr)	Oil #6 (gal/yr)	District Stream (MIbs/ yr)	Water (gai/yr)	Other (note units)	Total Site Energy Use (kBtu/yr)	Electricit y (kwh/yr)	Natural Gas (therms/yr)	Oil #2 (gal/yr)	Oil #4 (gal/yr)	Oil #6 (gal/yr)	District Stream (MIbs/ yr)	Water (gal/yr)	Other (note units)	Total Site Energy Use (kBtu/yr)	% Reduction
Owner-Paid Consumption	47,214	4,691		40,000			5,000,380		6,434,194	1,059	49,624		3,837			4,752,454		5,522,762	14%
Aggregated Resident Consumption	170,696								582,415	166,419						0		567,822	3%
Whole Building Consumption	217,910	4,691	0	40,000	0	D	5,000,380	0	7,016,609	167,478	49,624	0	3,837		0	4,752,454	0	6,090,583	13%
Owner-Paid Costs	\$ 12,502	\$ 6,515		\$ 95,049			\$ 55,541		\$ 114,066	\$ 1,887	\$ 63,022		\$ 9,117			\$ 52,813		\$74,026	35%
Aggregated Resident Cost	\$ 45,200								\$ 45,200	\$44,217						s -		\$44,217	2%
Whole Building Cost	\$ 57,703	\$ 6,515		\$ 95,049			\$ 55,541		\$ 159,266	\$46,103	\$ 63,022		\$ 9,117			\$ 52,813		\$118,243	26%
Bill Start Date	4/24/2018	1/1/2018		2/17/2018			6/8/2016]										
Bill End Date	3/26/2019	12/1/2018		6/13/2019			6/30/2017												

Summary of Benchmarking Metrics

Year benchmarked:	N/A	
Site Energy Use Index	106	kBtu/SF/year
Source Energy Use Index	131	kBtu/SF/year
Heating Index	21	Btu/SF/HDD
Total HDD in Benchmarked Year	4511	HDD
Energy Cost Index	\$2.41	\$/SF/year
Water Consumption Index	129	Gal/Bedroom/Day

Scope and Preliminary Cost Estimates

BUILDING SYSTEMS	Critical / Short Term	Mancura	Unit Type	Qty	Cost Per Unit	Total Cost	Projected Annual Electricity Savings (kWh/yr)	Project Annual Fuel Savings (mmBtu/ yr)	Projected Annual Cost Savings (\$/yr)	SIR	Simp le Payb ack	Accrue	ed Annual Water	al Health Benefit Impact	Incentive #1	Incentive #2	Incentive # 3
Replace boiler	Short Term	Capital	Each	1	\$ 411,000	\$ 411,000		157	\$ 2,539			No	0	None			
Replace master vents	Short Term	Capital	Each	1	\$ 200	\$ 200						No	0	None			
Install dedicated condensing DHW	Short Term	Capital	Each	1	\$ 41,000	\$ 41,000		286	\$ 4,011	1.7	10.2	No	0	None			
Elevator-NYC door lock monitoring	Short Term	Capital	Each	1	\$ 25,000	\$ 25,000						No	0	None			
Install recirculation demand DHW control	Short Term	EEWC-Only	Each	1	\$ 6,000	\$ 6,000		155	\$ 2,702	3.8	2.2	No	0	None			
Lighting - Relamp exterior lights with LED	Short Term	EEWC-Only	Each	6	\$ 80	\$ 480	4,840		\$ 1,113	16.3	0.4	No	0	None			
Lighting - Relamp Boiler room with LED	Short Term	EEWC-Only	Each	4	\$ 30	\$ 120	23		\$ 5	0.3	24.0	No	0	None			
Install Solar PV	Short Term	EEWC-Only	Allowance	1	\$ 18,038	\$ 18,038	34,112		\$ 7,829	7.6	2.3	No	0	None	NYC Property Tax Abatement	Residential State Income Tax Credit	Residential State Income Tax Credit
Adjust burner controls to have gas be 90% fuel	Short Term	EEWC-Only	Allowance	1	\$ 500	\$ 500		0	\$ 17,514	418	0.0	No	0	None			
Total - Building Systems	-	-	-	-	-	\$502,338	38,975	443	\$ 6,550	-	77	-	0	-			

Replacement Cost Schedule

Scope Name	Description of Work	EUL	Age	RUL	Unit Type	Qty.	Cost Per Unit	Critical Costs	Short Term Costs	¥1	¥2	Y3	Υ4	Y5	¥6	¥7	¥8	¥9	¥10	¥11	Y12	Y13	Y14	Y15	Total Long Term
Apartments																									
Refrigerator	Replace the Refrigerators	10	6	4	Each	54	\$ 540						\$ 31,784										\$ 40,532		\$ 72,317
Stove/Range	Replace the Stoves/Ranges	15	9	6	Each	54	\$ 400								\$ 24,840				3						\$ 24,840
Electrical Panel	Replace the Electrical Panel	40	35	5	Each	5	\$ 6,124							\$ 34,294											\$ 34,294
Lighting Fixtures	Relamp with apartments with LED	6	N/A	0	Each	217	\$ 4		\$ 868						\$ 998	-	e. 19		8		\$ 1,154				\$ 2,153
Intercom Panel	Replace the Intercom Panel	30	18	12	Each	54	\$ 220														\$ 15,800				\$ 15,800
Sink / Faucet	Install low flow faucet aeriators	12	12	0	Each	54	\$ 6		\$ 324												\$ 431				\$ 431
Apartment: Ceiling/Walls	Patch repair gypsum at areas of cracking	35	N/A	0	SF	1500	\$ 10		\$ 15,000																\$ -
Apartments: Ceiling/Walls	Paint Walls & Ceilings. Allowance of 12000 Sq. Ft.	3	N/A	0	SF	12000	\$ 2		\$ 24,000			\$ 25,440			\$ 27,600			\$ 29,760			\$ 31,920			\$ 34,080	\$ 148,800
Apartments - Bathroom	Seal bathtub/sink perimeter	10	N/A	0	LF	297	\$ 12		\$ 3,564							5			\$ 4,526					tin tin	\$ 4,526
Apartments - Entry Doors	Paint Entry Metal Doors	5	N/A	5	Each	54	\$ 500		\$ 27,000	Ì				\$ 30,240					\$ 34,290					\$ 38,340	\$ 102,870
Apartments - Flooring	Refinish wood floors.	30	N/A	0	SF	7000	\$ 10		\$ 70,000																ş -
Apartments - Cabinets	Refinish wood floors.	10	10	0	FL	8	\$ 500		\$ 4,000										\$ 5,080	40 State					\$ 5,080
Apartments - sealing	Sealing apartments from rodents	20	Not installe d	0	Each	54	\$ 100		\$ 5,400																ş -

What do I do with my IPNA?

	What do I do with my IPNA?
1	Solicit quotes from prequalified IPNA providers, select provider & schedule IPNA
2	IPNA inspection takes place & IPNA provider creates report
3	Project scope of work is developed by Technical Assistant Provider based on IPNA recommendations
4	Scope of work and cost is finalized & bid out to contractors

Loan closes and work begins!

Are the recommendations in the report mandatory for financing?

- GHPP will fund EEWC measures with payback periods of up to 10 years.
- Scopes of work must reduce a building's energy consumption by at least 20%, as determined by the IPNA
- Items that are critical to the functioning of the project are mandatory, but typically all of the recommendations are incorporated into the project scope unless there are budget issues.

IPNA Software Tool

IPNA Reporting Template

- HPD controlled template
- 18 Excel tabs and 50 pages per building
- 100s of pages for multiple building projects
- Data captured manually and then transposed
- QA and consistency can be challenging

No. 1 House			Name Lauris		-		Deta 1	-	1		-		Num					in word to			Owidlary	. 0
X	-		-	1.1.1									110		-			tert -	5.		0	- ^
LUNE ALL	alibe .		58.7	A . A	1.7	E +1	÷.	P	Ganar	4	_		\mathbf{I}_{ℓ}		1	1	0.201	eiste -	I. Z	T	2	
a .	11	(*) (f)	- 0-	▲ -	:悪:		51 E)	10	- 5 -	56.0	51.2		-			Cell Styles-	i Sala	ormat *	1.	et & F		
diamet in		Yest				suger				Name		. 7		394		22		om.		atting		
		x 🗸	6	1440	-	NO WAT		6														
			-																			
	¢	0	1		-6		1	1	×	N.	N.	0	+	ů.	. *	. 1	. 7	UV	W.		4 9	6
ENERGY AN	D WAT	UR LISE																				
Summary of		- In Apart	ment the	e -																		
Dark alter		. Descrip	Renaute Manager				and a		Paul by	Paid												
		hereof	Buld	long -		Directly Sub-1	y Hoter Meners		Owner	Tenan												
Destroity		8	Des			111111			Τ.	×												
Que.	-	×		-																		
		nan har da n sharped e		-		-	shap	•														
Dommary of	Unitery Clu	en Anapla																				
Bate: Films	ere un abie	A state at																				
Danes Paid Electricity	1	÷	(Anna and	a Date	1000	adjuster of	and shares	1000	la punci la di	1. 18 Car		141.95	any c	to a long	p all is		1.000 at	Chie - Marco O	(donihowa			
Taulf	61.2		11.7 4 44	فيصدد آلو	and a state	Sec.	-	ليذيو الرقيان	di de lagar	A DESCRIPTION OF												
1	-																					
Bate	1												0.00									
Rate: 12 year buildes 13 was buildes	-	VOT he note	outeret abarting	and the l	neg te	netted free	- teans	e data 1	dia the oto	lo yongka	run pier	-										
Rate .	-	VOT he note	ana harain alionatha a lang the	sights: sights:	ening da Fahaadd Hai addi	netted free	- teans	e data 1	dia the oto	lo yongka	run pier	unites.			Carry I	The						
Rate: 12 year buildes 13 was buildes	in focused of sold the	VOT he note	ana harain alionatha a lang the		ereng der Erbende Tronkler	nethat has De that is in the "oth	- teans	e data 1	dia the oto		run pier	-	and a		Dates	-	230	100				
Rester 1 Para Dalder 2 Diset ancer 2 Other and (Wester are	-	e Tuna (the t	ana harain alionatha a lang the			reg lire Dest		e data 1	dia the oto is scargin is direct and	Energy and the second	rea pia Pasa ka	De la	-	-		Vere	Other Desite		N.			
Rete: 19 year building 1 Takat antor 19 'Other' and	in focused of sold the	Second Sec	atar harari alaan hara haray "har Gala		t Plant	reg lire Dest		e dana 1			Trans (Sec	Pro-				Verm	111	100	N. Contraction			
Hate 19 not builder 19 not builder 19 Color builder 19 Color build 19 Col	alarah Andr	Nerer Gan	tin er					e dana 1		1)	1944 - 19	De la	-	-	-	¥		1111	N. Contraction			
Nate 1 contradicts 2 contradicts 2 Colors' ton (Wination are contradicts colors) Denner Plaid Concerning	in focused of sold the	Nerer Gan	atar harari alaan hara haray "har Gala					e dana 1		Energy and the second	Radar A	De la	-	-		Verm			201			
Hann 19 percent annound 19 Colour annound 19 Col	alarah Andr	Nerer Gan	tin er					e dana 1		1)	1944 - 19	De la	-	-		¥		1111	241			
Hann 1 prov Delivery 2 Delivery and 2 Delivery and 2 Delivery and and any and any and any any any any any any any any any any	Carrier States States States 1 21,679	Nerer Gan	tin er					e dana 1	Acres and a construction of the second secon	there are Refer X dN	1944 - 19	De la	-	-		¥		tina tang tina tina tina tina tina tina tina tina				
Harte 1 processory - Tobar and - Tobar and - Tobar and - Tobar and - Tobar and - Tobar -	Classes States States States 1 21,679	Nerer Gan	tin er					e data 1	Acres and a construction of the second secon	there are Refer X dN	1944 - 19	De la	-	-		¥		tina tang tina tina tina tina tina tina tina tina				
Hate I and building - Toma announce -	2.479 E.447	Bana de Bana de I	ing the second s						dia dia orangia in mangia indiren unit Tang Tang Tang Tang Tang Tang Tang Tang	Cheer and have have have have have have have have	Raman dia Titori Titori Titori Titori Titori Titori Titori Titori Titori Titori		03 14 0 15 0 1 1	-	2 = 2 = 2 = 2 = 2	¥	211	201 201 201 201 201 201 201 201 201 201	01			
Rate 1 on the 2 on the 1 on the 1 one of	Chrone 1 21,477 2,477 2,477	Not have never the new disc the	ing the second s	the state					distancia margin adres att San San San San San San San San San San	Cheer and have have have have have have have have	Raman dia Titori Titori Titori Titori Titori Titori Titori Titori Titori Titori		03 14 0 15 0 1 1	-	2 = 2 = 2 = 2 = 2	¥	211	201 201 201 201 201 201 201 201 201 201	0% 23%			
Note: 1 Proc Indian 1 Proc Indian 1 Proc Indian 1 Procession 1 Proc	21.479 22.479 23.479 23.479	1 1 1 1 1 1 1	2.300 1.200 2.300 2.300					in data k in dat	distancia international intern	Слана порт порт порт порт порт порт порт порт	2-433			1			-	1000 (1000 (1000 (1000 (1000) 305.402 305.402 405.402 405.402	0% 27% 28%			
Note: 19 not building 19 not building 19 Tober have 19 Tober have 19 Tober have 19 Tober have 19 Notestand 10 Notest Part 10 Notestand 10 Notest Part 10 Notest Par	2.479 E.447	Bana de Bana de I	Carlor Ca						dia dia orangia in mangia indiren unit Tang Tang Tang Tang Tang Tang Tang Tang	Слани 1913 1914 1914 1914 1914 1914 1914 1914	10 mm 10 mm			1.5	-		-	300 400 300 400 400,400 400,400	0% 27% 28%			
Nate: 1 Proc tradies 2 Dealers and 4 Date: 1 Dealers are arritanic 1 Dealers are arritanic 1 Dealers are 1 Dealers 1 Deale	1 22 629 22 629 22 629 22 629	1	2.00 2.00						Antipation of the second secon	Слана порт порт порт порт порт порт порт порт	2-433			1	2 2 =	· · ·	*	300 402 300 402 303 402 400 400 400	95 274 285 95			
Nate: 1 max builds: 1 max builds: 1 Data bu	2 479 2 479 2 479 2 479 2 479 2 479 2 479 2 479 2 479 2 479 2 479 2 479 2 479		2.300 1.200 2.300 2.300					in data k in dat	distancia international intern	25.255 25.255	2 407 (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445)			1 1 = 2			-	1000 (1000 (1000 (1000 (1000) 305.402 305.402 405.402 405.402	0% 27% 28%			
Nate: If not public - - Source and the - Source of the restored of the	1 22.677 22.677 20.000 4000 4000 4000 4000 4000 4000 40		2.00 2.00						100 fer oda reserved 100 fer 100 fer 1	25.255 25.255	2 407 (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445)			1 1 = 2	2 2 =	· · ·	*	300 402 300 402 303 402 400 400 400	95 274 285 95			
Nate: 1 max builds: 1 max builds: 1 Data build : 1 Data builds: 1 Data build : 1 Data bu	1 22.677 22.677 20.000 4000 4000 4000 4000 4000 4000 40		2.00 2.00						100 fer oda reserved 100 fer 100 fer 1	25.255 25.255	2 407 (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445) (1445)			1 1 = 2	2 2 =	· · ·	*	300 402 300 402 303 402 400 400 400	95 274 285 95			

SPM Assets

Web-based data collection and reporting tool

INSPECTION - PHYSICAL NEEDS SITE INSPECTION Condition Material Average condition with new sections which are in good condition and some areas of Sidewalk cracking. Concrete Uneven pavement / trip hazards 205HUD-PHY-EXT: Demo - 205 Hudson - Physical Externals (1) group by: name Clocation loc./type filter: name qty unit grp tpe good average poor na sub pht location: 1. Site Inspection 1.00 -. PHY SIT Sidewalk ft2 6 Uneven Pavement? Yes • Material Concrete V comment: New sections which are in good condition and some areas of cracking raise workorder:

- Reduces report writing time
- Improves consistency
- Ensures comprehensiveness
- Facilitates quality assurance
- Available to all providers
- Builds database accessible by building owners

	filter:	gr	oup by	na	me 🕑 I	ocation (Dloc./	type
_	grp tpe name	qty	un	it good	average	e poor na	a sub	pht
	location: a. Building	Envelope						
	location: b. Building	y Systems						
•	EA BSY Air Seperato	or 1.00	e .	🔘	\checkmark			O
•	EA BSY Boiler	1.00	е.	. 🗸				Ō
	Make/Model	Weil McL	I	nput (ME	8tu): 65	0,000		
	Year Installed	2004						
	Location	Basemen						
	СО РРМ							
	Тад)					
	comment:	CP4796145	5					
	raise workorder:							
•	EA BSY Burner	1.00	e .	🔘				Ō
•	EA BSY Burner Con.	. 1.00	С е.	🔘				Ō
•	EA BSY Chimney	1.00	f					Ō
•	EA BSY Damper	1.00	С е.	🔘				0
•	EA BSY Damper Co	. 1.00	С е.	🔘				0
•	EA BSY Expansion T	1.00	e .	. 🗸				Ō
•	EA BSY Gauges	1.00	С е.	. 🗸				0

Thank You







https://www1.nyc.gov/site/hpd/index.page

Jennifer Leone <u>LeoneJ@hpd.nyc.gov</u> Jordan Dentz <u>jdentz@levypartnership.com</u> Carl Hourihan <u>chourihan@levypartnership.com</u>