

Purpose

- Since June of 2014, NHPS has undertaken a Strategic Resource Allocation project with the goal of making changes to NHPS' priorities in the name of long-term sustainability
- Funded through the Teacher Incentive Fund (TIF), the Strategic Resource Allocation work will guide NHPS through four resource realms:
 - Funding: How much doe we spend, an on what?
 - **Equity**: How much do we spend across different schools and student types, and how does that align with need? What factors account for the variation?
 - **Human Capital:** What are we doing to attract, develop, and retain top performing teachers? How is effectiveness distributed across the district, and how are leveraging our top teachers?
 - **School Design:** How do schools organize their people, time, and money, and how does that align with student need, school context, and district strategy?
- Thus far, we have covered the Funding and Equity areas, and need to ensure that planning in the current and future years take these insights into account
- Today's discussion focuses on Funding and Equity and provides visibility into key decisions NHPS is in the process of making

Executive Summary of Findings To-Date

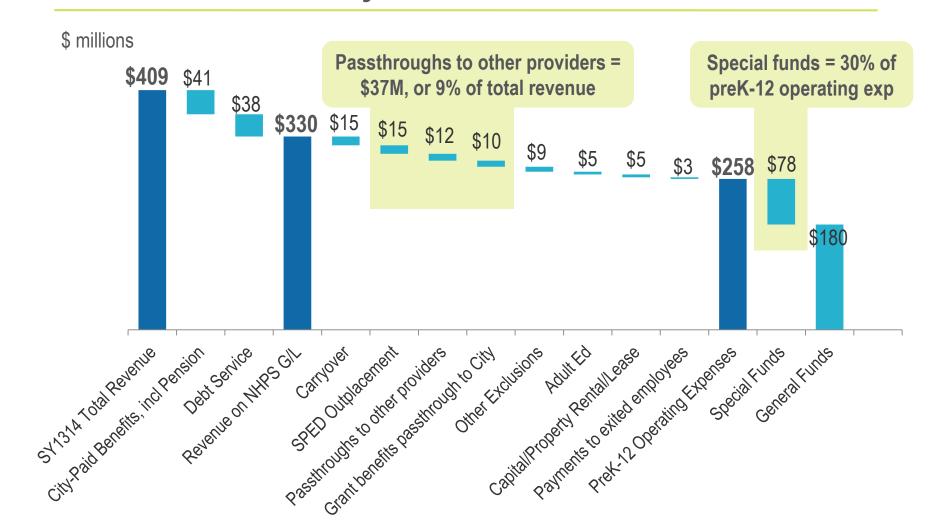
Overall Funding

- NHPS is funded on par with peer districts
 - Higher-than-typical rates of passthroughs to other providers
 - Higher transportation and food service costs than national peer districts
- NHPS has invested in 400 more school-based instructional (including 241 more teachers) FTE, totaling \$20M,
 vs. what we would expect based on peer district staffing ratios
 - Three-fourths of this investment is in teachers, concentrated in High Schools
- With some exceptions, NHPS central office is relatively lean, at 6% of pre-K-12 operating expense

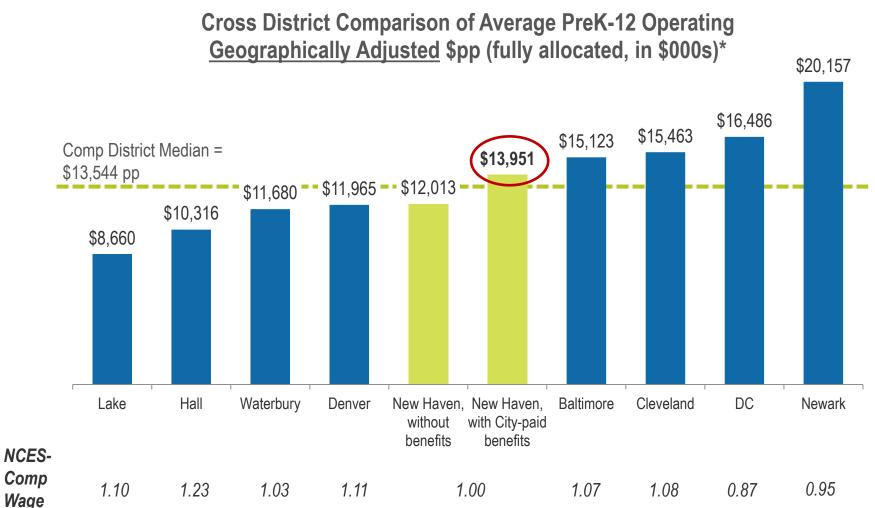
Resource Equity

- NHPS has greater resource variation across schools than we see in peer districts
 - HSs are funded \$1,600 per pupil higher than K-8s, with an additional "small school premium" for HSC and Hyde
- Most variation in resource allocation among K-8s is "unexplained" by the data, but is associated with higher staffing levels
 - Magnet status accounts for only about 25% of variation
- NHPS has the potential to significantly increase equity among its K-8 schools

NHPS spent \$260 million educating its students in the 2013-14 school year



NHPS per-pupil operating funding is middle-of-thepack vs. peer districts



^{*} Dollars represent K-12 operating budget/expenditure for year studied. Dollars adjusted for geography using the National Center for Education Statistics 2005 School District Comparative Wage Index. Dollars adjusted to 2013-14 (inflation adjusted) using the Bureau of Labor Statistics CPI calculator

Source: NHPS SY1314 Expenditures, ERS analysis; ERS benchmark database

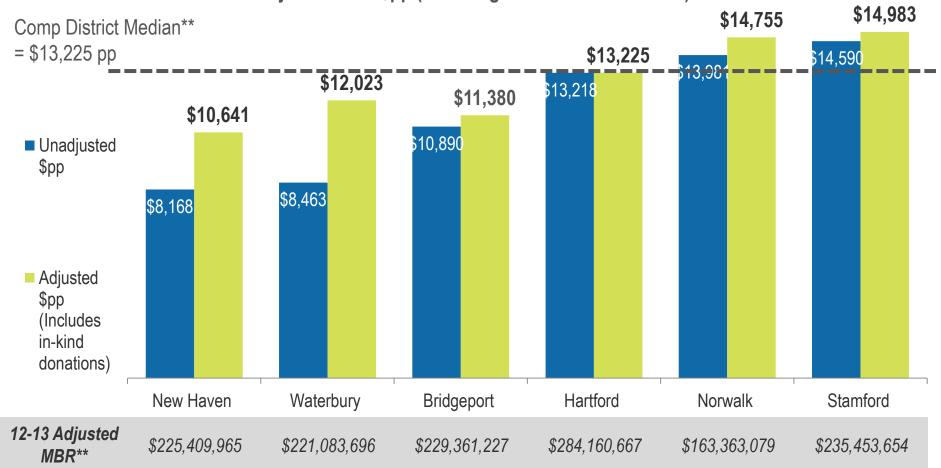
Comp

Wage

Index

NHPS receives less per-pupil from the City than other urban districts in Connecticut

Cross District Comparison of 2012-2013 Minimum Budget Requirement (MBR) \$pp and Adjusted MBR \$pp (Including In-Kind Contributions)*



^{*}Calculated from reported enrollment on October 1, 2012

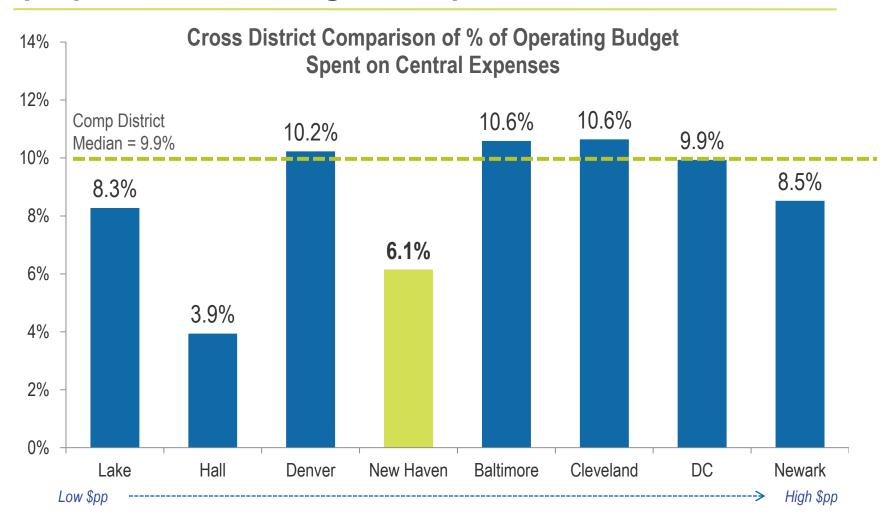
^{**}Includes in-kind contributions

ERS defines "school-based" resources to include many categories reported on the central budget

		<u>NHPS</u>
Leadership & Management	District Governance, Management of the support services provide to Schools Example: Superintendent, Strategy, Dir. of Math, Dir. of Transportation	6%
Shared Services	All FTEs, services, and materials that provide support to schools but generally on as-needed or irregular basis Example: Transportation, Maintenance	15%
School on Central	All FTEs, services, and materials not reported in the financial system at schools, but play out in schools on a regular and predictable basis Example: Most school-based staff	74%
School Reported	All FTEs, services, and materials allocated directly to schools in the district expenditures Example: Some Interdistrict Magnet resources	5%
	Predictably school-based resources	

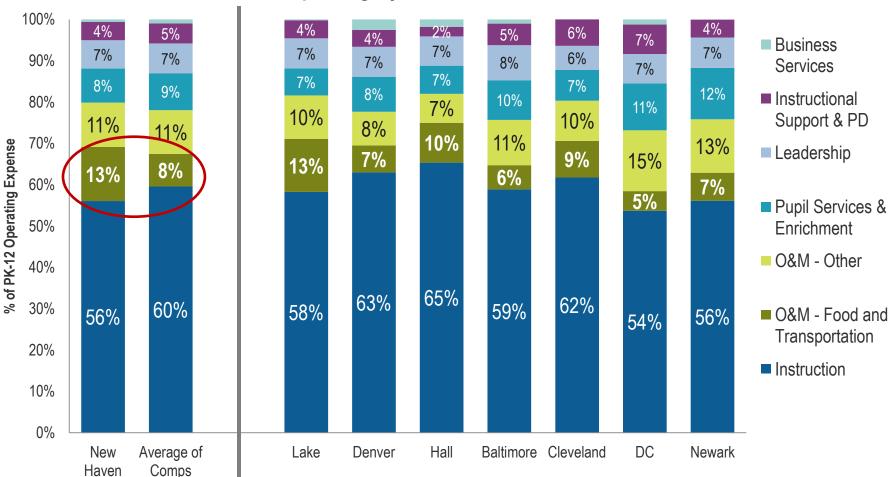
Source: NHPS SY1314 Expenditures, ERS analysis;

NHPS' \$18M central expense line represents a lower proportion of its budget than peer districts



Above-average Operations & Maintenance costs are driven by Food Service and Transportation

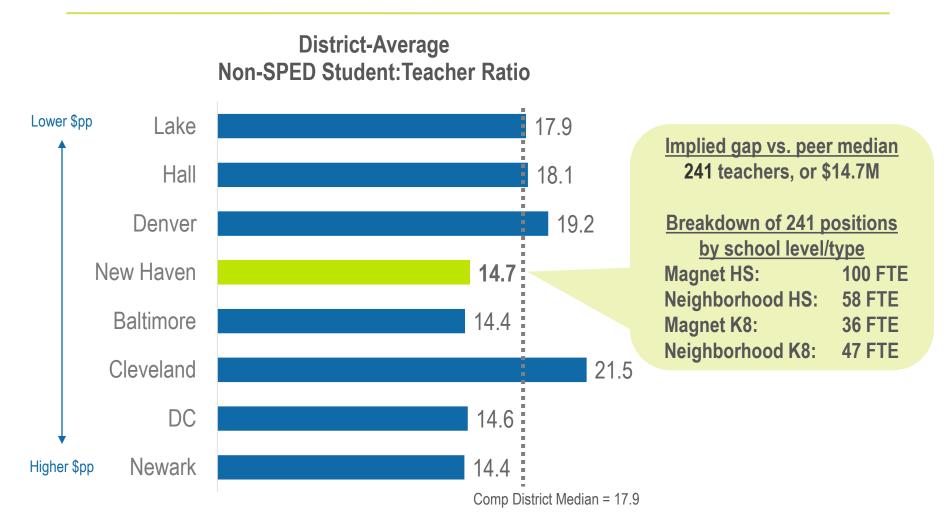
Breakdown of school-attributed spending, by use



Student Transportation costs are affected by local context in New Haven

Function	NHPS Total	NHPS \$pp	Comp Dist Median	% Gap	\$ Gap	Key Local Context
Student Transportation	\$21.5M	\$1,016	\$387	163%	\$13.3M \$9.6M incl magnet revenue offset	Living wage mandate Magnet busing High costs in other CT districts
Facilities & Maintenance	\$15.1M	\$760	\$717	6%	\$0.9M	Living wage mandate
Food Services	\$14.7M	\$694	\$537	29%	\$3.3M	Living wage mandate
Utilities	\$9.7M	\$457	\$313 \$515	46% -17%	\$3.0M (-\$1.1M)	<< Unadjusted for local rates << Adjusted for local rates
Security & Safety	\$3.9M	\$186	\$196	-5%	(-\$0.2M)	

NHPS has more teachers for its size than most peer districts



Equal Funding

Schools get comparable resources based on <u>size</u> and/or other <u>fixed allocation</u> <u>drivers</u>



Equitable Funding

Schools get resources
that are comparable
based on <u>student</u>
needs and <u>what it will</u>
take to address them

Having variation in per-weighted-pupil funding across schools is not necessarily a bad thing

Good Variation



- ✓ Deliberate/ By Design
- Aligned with district's strategic goals
- ✓ Gives "needier"

 schools additional \$s

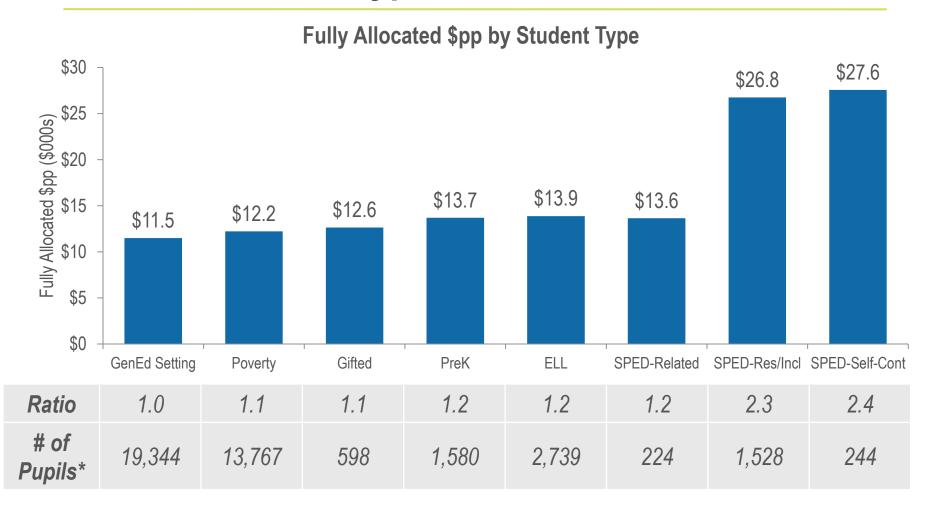
Bad Variation



- ✓ Unplanned/ Unintentional
- ✓ Unstrategic
- ✓ Resources not going to the "needier" schools

To assess the variation in per-weighted-pupil funding, we must look at what appears to be driving it

New Haven spends different amounts on different student types

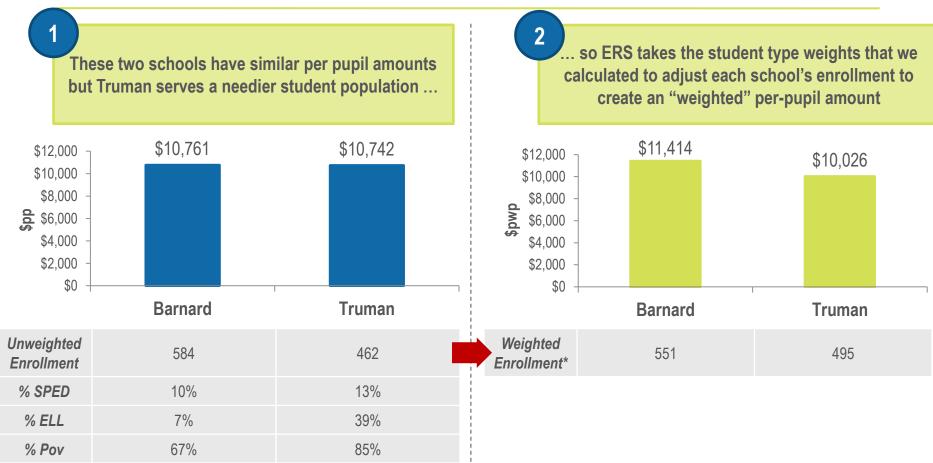


^{*} Students that are Poverty, ELL, and SPED-Related Services, and SPED Resource/Inclusion are also served in a GenEd Setting; Pre-K students are only included in the Pre-K count and are excluded from all other categories.

New Haven's spending is similar to peer districts, except for lower investment in self-contained SWD

District	General Ed base (\$000 pp)	Poverty	ELL	SPED – Res/Inclusion	SPED – Self- Contained
New Haven	\$11.1	1.1	1.2	2.3	3.0 (HS) (HS)
Peer District Median	\$8.4	1.1	1.3	2.5	3.1
Lake	\$6.6	1.1	1.1	2.1	3.3
Denver	\$7.6	1.2	1.1	2.3	4.3
Hall	\$8.4	1.1	1.3	2.5	2.9
Baltimore	\$11.1	1.1	1.5	3.0	3.1
DC	\$11.2	1.1	1.5	2.4	3.2
Cleveland	\$10.9	1.1	1.1	2.5	3.5
Newark	\$15.6	1.0	1.3	2.3	2.5

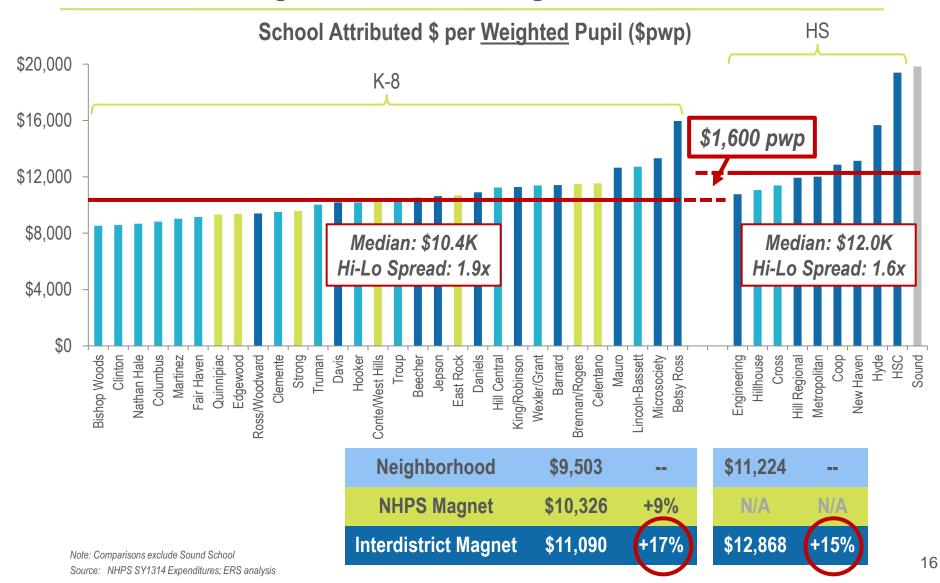
ERS adjusts per pupil spending at each school to account for these different student types



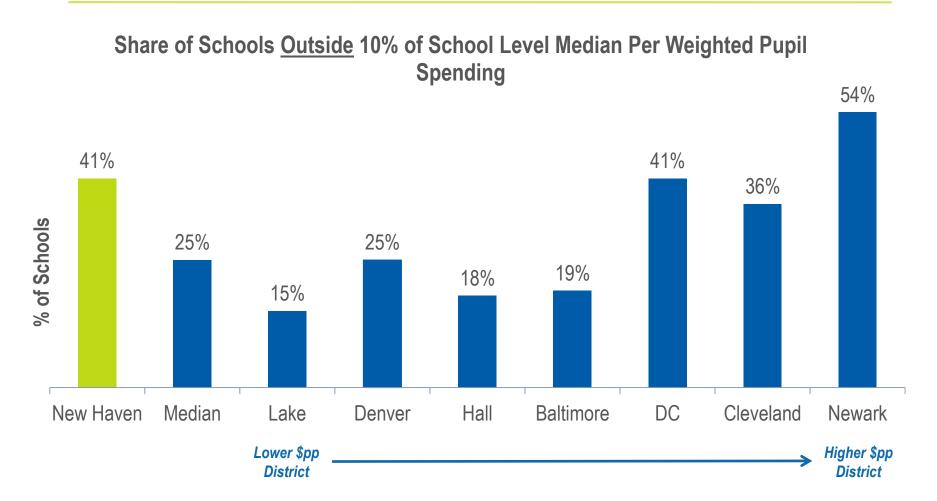
^{* &}lt;u>For example</u>: We know that the district overall spending on ELL students is 1.2 weight, so any ELL students at Barnard and Truman are weighted 1.2 in the school's weighted enrollment. Across the district, **the weighted enrollment** is then grossed down proportionally to get to the district's actual enrollment.

Source: NHPS SY1314 Expenditures; ERS analysis

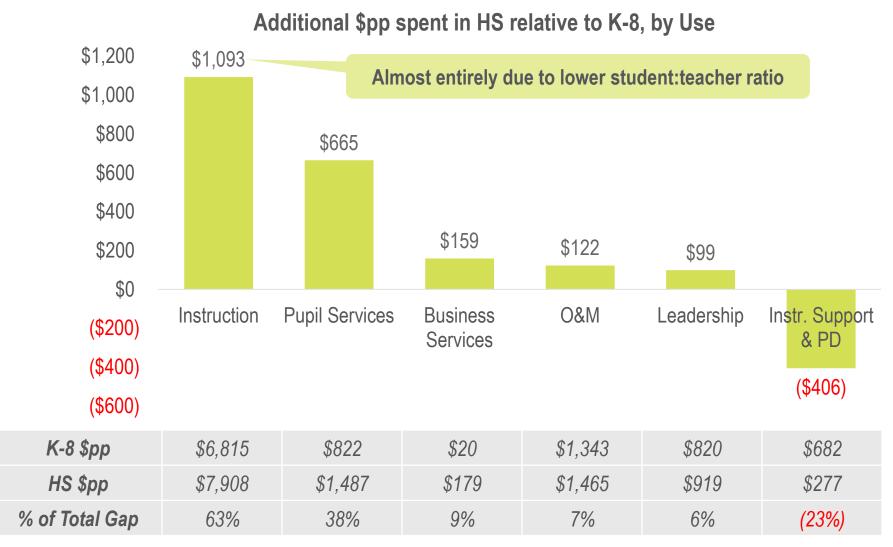
NHPS has a large resource gap between K-8 and HS as well as between neighborhood and magnet schools



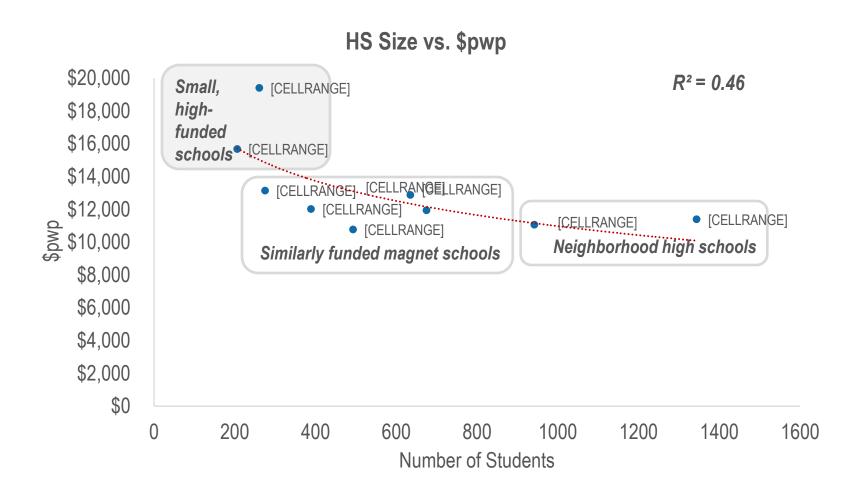
NHPS has more variation across schools compared with most peer districts



Nearly 2/3 of the extra dollars in high schools are devoted to higher levels of teacher staffing



Much of the variation at the high school level is driven by size



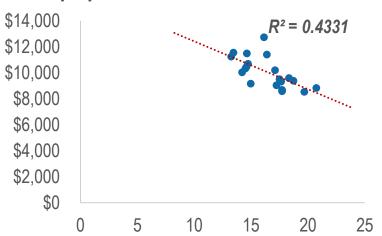
Most funding variation across K-8 schools is not easily explained by the data...

How	sian	ificant	is	this	factor?
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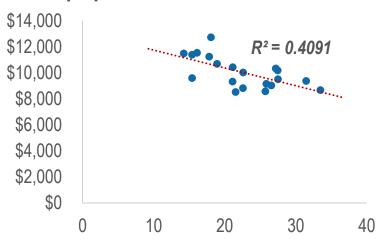
Common Drivers of Variation	Very (50%+)	Somewhat (20%)	A little (10%)	Not (<5%)
Interdistrict Magnet status				
School size				
Prior year student performance				
Most recent school tiers			/	
Teacher compensation				
Not adjusting to changes in student enrollment				
Special Grants Funding				
Ad-hoc exceptions / unexplained variation	/			

...but is associated with differences in staffing levels





\$pwp vs Stu:Other Staff Ratio



Higher levels of staffing relative to school size and student need accounts for <u>two-thirds of variation</u> in spending among NHPS K-8 schools

How could NHPS address the variation within school level and type?

Strategy	Considerations	Status on March 9, 2015
Move staff from higher resourced to lower resourced schools	 Creates equity for SY1516 without requiring system-level changes Requires shifting the mix of more and less effective staff, to avoid simply passing less effective staff to new schools Does not address underlying factors driving variation 	 Staffing Tool under development that would allow for real-time decision making Retirements/resignations in the current year are seen as major opportunity for impact
Shift enrollment from lower resourced to higher resourced schools	 Creates equity for SY1516 without requiring system-level changes Implies change that families may resist, especially if they are asked to move from top-choice schools 	 Enrollment projections can and should account for possible enrollment changes in the next school year September enrollment results must weigh on next steps
Create and adhere to consistent school-wide staffing guidelines	 Creates a systemic approach that maintains assignment flexibility for school teams Implies re-thinking service delivery model as staffing allocations vary Risks creating equality without equity 	Adopting a formal staffing model is on the Executive Team agenda for future year consideration
Design and implement a Weighted Student Staffing or Weighted Student Funding model	 Ensures a long-term strategic approach to resource allocation across the system Requires time and consideration to develop and implement a new system strategically Requires a different skill set vs. traditional funding system, especially among finance and school staff 	Adopting a student-based funding model is on the Executive Team agenda for future year consideration

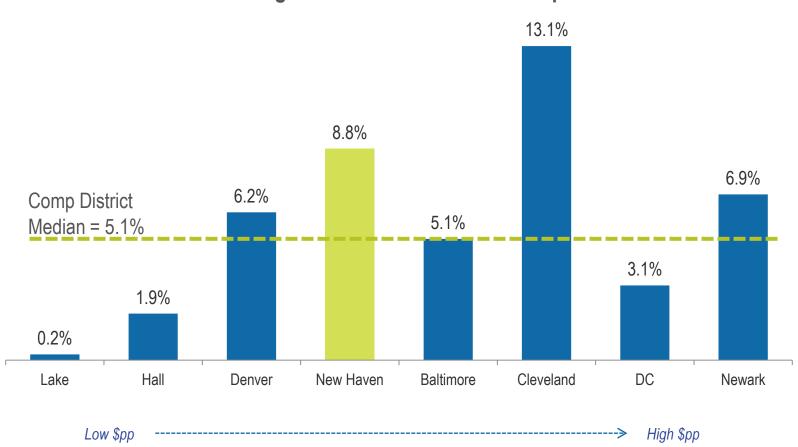
Implications and Next Steps

- Targeted program reviews of significant areas of spending are underway, with a clear intention of identifying cost savings
- Additional budget is sought through zero-basing all central costs other than staffing and "fixed cost" components.
- Incremental and intentional investments in certain key offices and schools are being considered, and will be
 evaluated using the current findings on funding and equity/student need.
- Additional budget has been allocated to all schools, with a focus on student-based resourcing. Schools will
 continue to be reminded of the upcoming budget adjustments in the Fall.
- Careful evaluation of current staffing levels in the context of equity will inform NHPS' eventual hiring or non-rehiring of positions for the upcoming school year.
- Final proposed budget will articulate planned reductions and investments in the context of what we've learned about our funding and equity status.
- A five-year resource allocation plan will be our focus after the FY16 Budget is delivered

APPENDIX

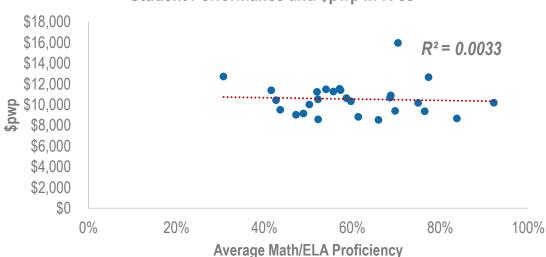
A higher proportion of passthroughs from the G/L means NHPS is leaner than perceived, and has less control over its revenue





Lack of Student Proficiency Correlation to Funding





SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.06
R Square	0.00
Adjusted R Square	(0.03)
Standard Error	1,646.24
Observations	30.00

ANOVA

	df	SS	MS	F	Significance F
Regression	1.00	290,461.35	290,461.35	0.11	0.75
Residual	28.00	75,883,146.96	2,710,112.39		
Total	29.00	76,173,608.30			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	10,800.05	786.56	13.73	0.00	9,188.87	12,411.24	9,188.87	12,411.24
Student Performance	(442.37)	1,351.25	(0.33)	0.75	(3,210.27)	2,325.53	(3,210.27)	2,325.53

K-8 Neighborhood Tier III schools receive more money than Tier I and II schools

