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A Green New Deal for Schools: Inequality, Funding, and Finance in Pennsylvania

David I. Backer

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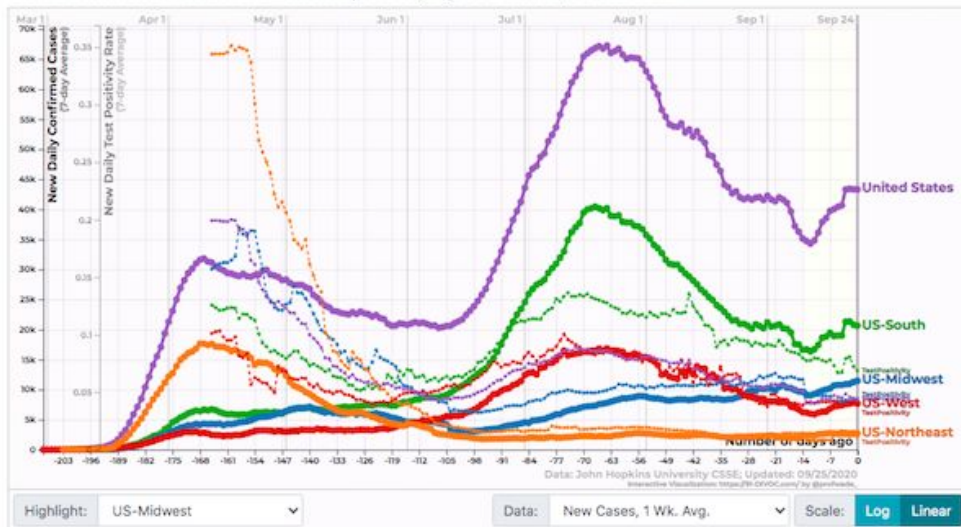
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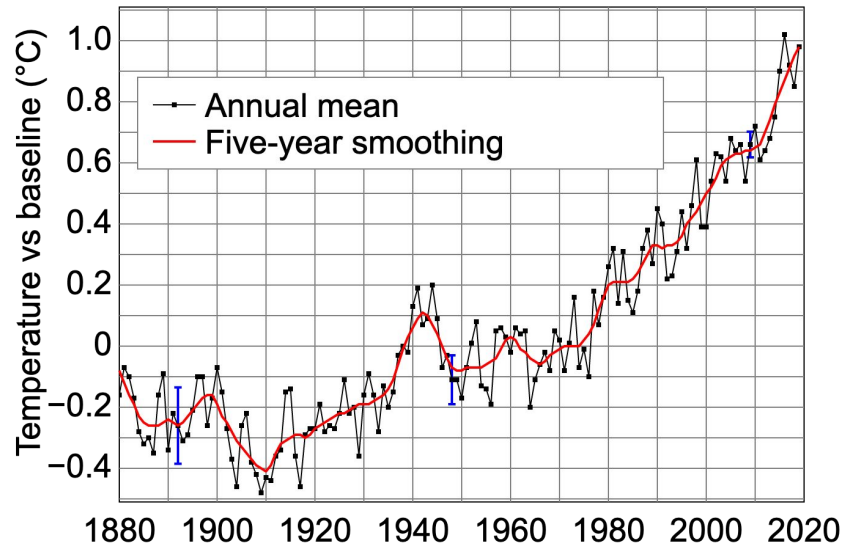
A Green New Deal for Schools

Inequality, Funding, and Finance in
Pennsylvania

New Confirmed COVID-19 Cases per Day by US States/Territories



Global Average Temperature





More asbestos found; parents say they won't send their kids back to North Philly school

by [Kristen A. Graham](#) and [Wendy Ruderman](#), Updated: November 4, 2019



Teachers' union investigating a possible cancer link to Philly schools, warns of hazards

by [Kristen A. Graham](#), [Wendy Ruderman](#) and [Barbara Laker](#), Updated: September 11, 2019



JOIN
CASSIDY
TEACHERS
FOR A SAFE
SCHOOL

#ONLYWHENITSSAFE

CAR
CARAVAN



RALLY AT
CASSIDY
& CARAVAN
TO 440

AUGUST 7TH
11AM



caucusofwe



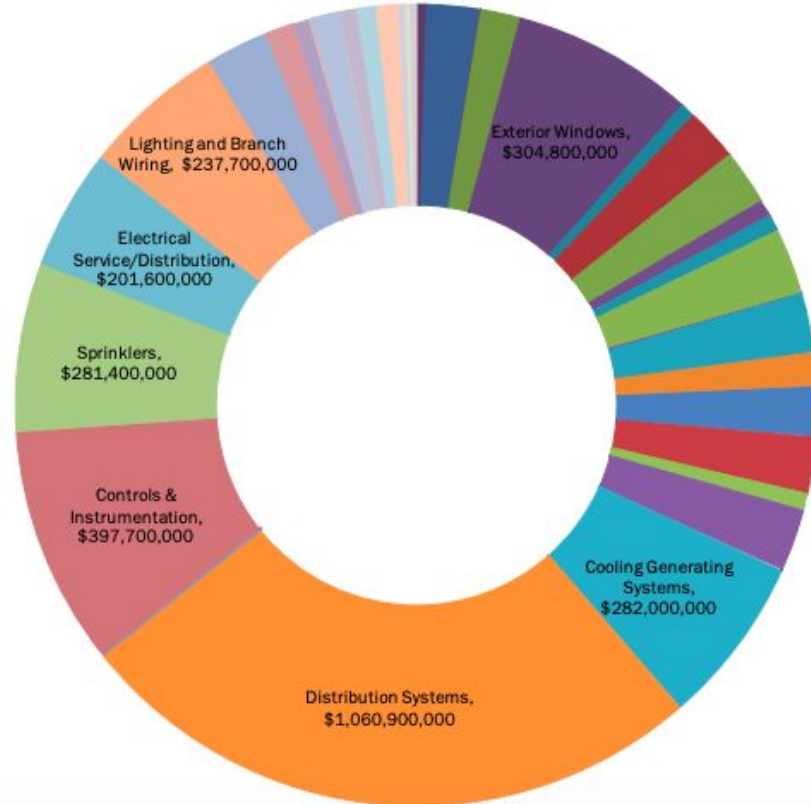
\$4.5 billion school infrastructure deficiencies

(2017 report on SDP)

FINDING 5: FACILITY CONDITION NEEDS BY FACILITY SYSTEM

The following chart indicates facility condition needs by facility system in the assessment, ordered by repair estimate cost.

To remediate
asbestos and
update
ventilations
systems
\$750 million



Rethinking Schools

Volume 39 Number 4

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SCHOOL
BUSSES
TO
SCHOOL
CLUBS

LEARN ABOUT
SCHOOL
AND COMMUNITY
IN THE
CITY

LEARN
ABOUT
SCHOOL
AND
COMMUNITY
IN THE
CITY



THE GREEN NEW DEAL

Buildings and their construction together account for **36 percent** of global energy use and **39 percent** of energy-related carbon dioxide emissions annually, according to the United Nations Environment Program.

Research suggests that improving school building energy performance alone could reduce up to 30 million tons of CO₂ emissions, which is equivalent to removing 6 million cars from the road for an entire year.



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ZERO ENERGY AEDG FREE DOWNLOAD

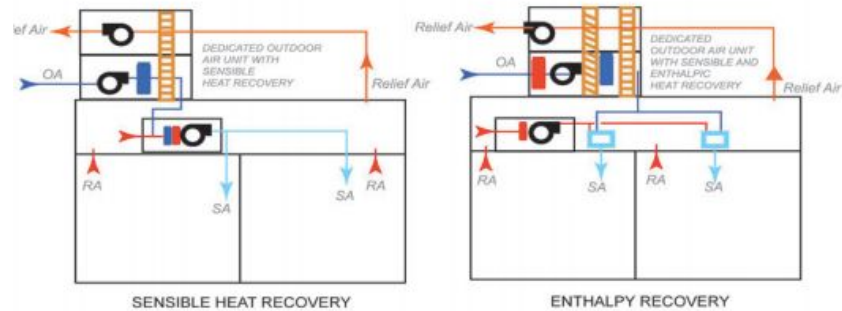
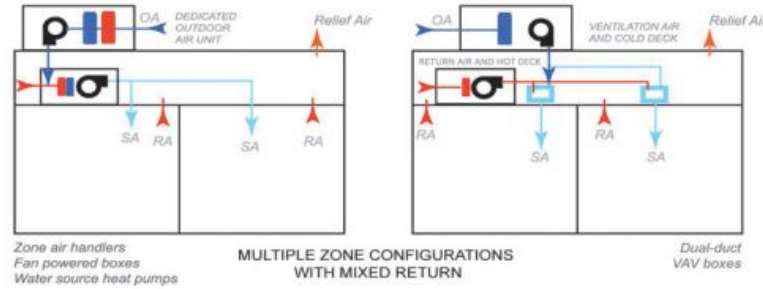
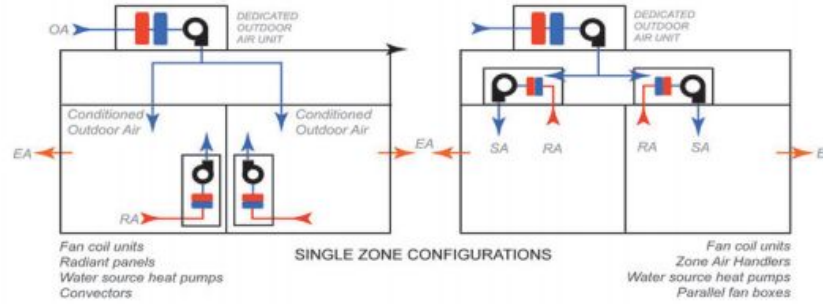
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The **Advanced Energy Design Guide—Achieving Zero Energy series** provides a cost effective approach to achieve advanced levels of energy savings. The four-color Guides offer contractors and designers the tools, including recommendations for practical products and off-the-shelf technology, needed for achieving a zero energy building which is defined as a building that, on an annual basis, draws from outside resources equal or less energy than it provides using on-site renewable energy



- Chilled-/hot-water system with single-zone air-handling units (AHUs)
- Air-source variable-refrigerant-flow (VRF) multisplit heat pump system.
- Ground-source heat pump (GSHP) system.



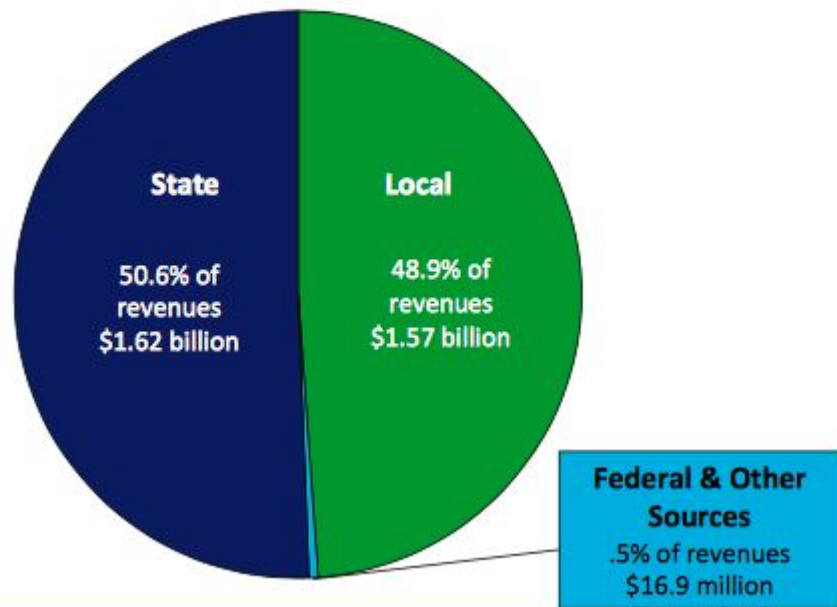


WHERE IS THE MONEY

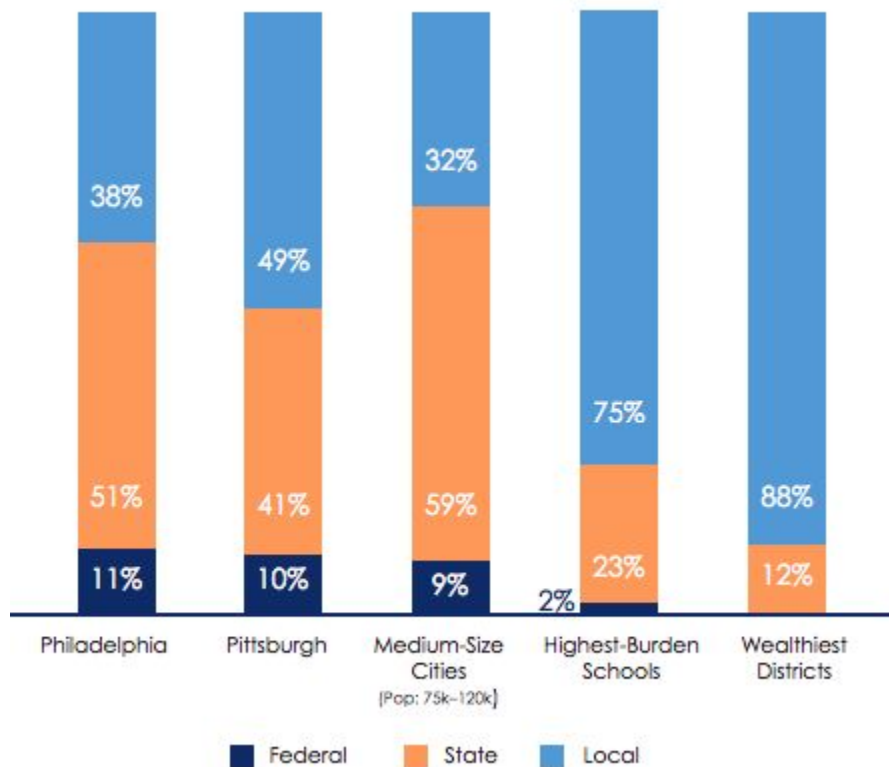
LEBOWSKI?

memegenerator.net

FY19 Projected Operating Budget



Revenue by Source for Selected PA School Districts



Local Tax Burden ([Collins 2016](#))

\$

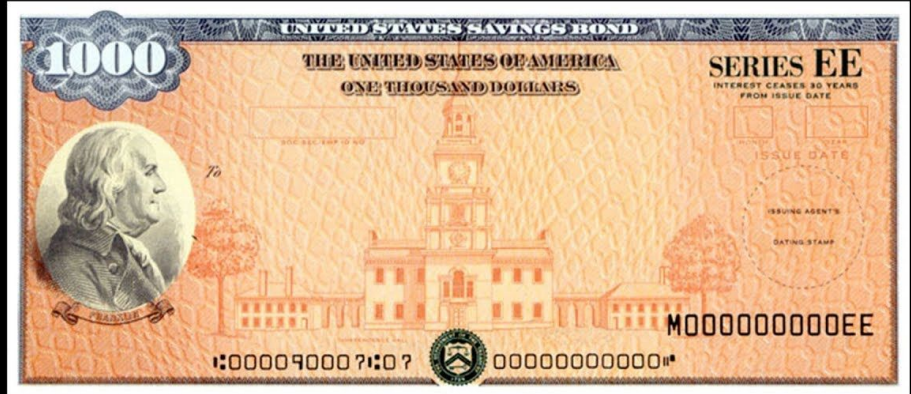
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For every dollar
Philly spends on
a student

The main line
spends 50



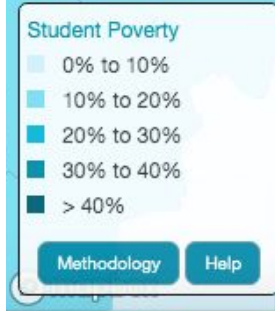
WHAT ARE BONDS?



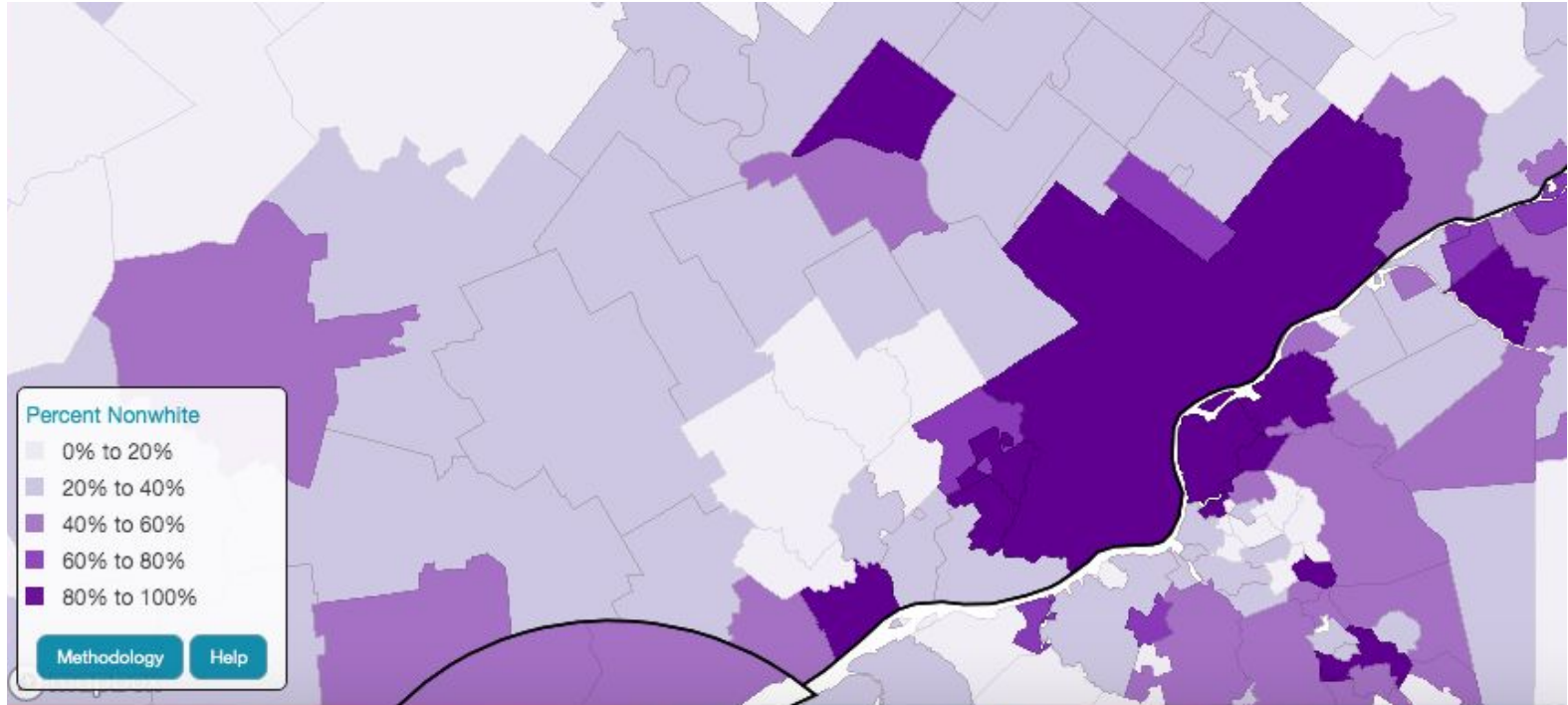
9% of GDP budget goes to debt service

Poverty

(Remember that schools fund their budgets using property taxes)



Percent nonwhite





Stock market crash 2020

The pandemic shutdowns

COVID-19 State Budget Shortfalls Could Be Largest on Record

Total state budget shortfall in each fiscal year, in billions of 2020 dollars



* Estimated based on CBPP calculations

Source: Pre 2014: CBPP survey; 2020 and following: CBPP calculations



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FAQs: Municipal Liquidity Facility

The following is intended to address questions about the Municipal Liquidity Facility (MLF or Facility). The Federal Reserve may periodically update these FAQs and, therefore, please check this website for new FAQs or revisions to a previously issued FAQ.

Municipal Lending Facility Strategy (MLF)

- **Proposition:** School districts should get liquidity support for infrastructure from the MLF to finance a Green New Deal for Schools.
 - The Fed is a different kind of entity than the bond market
 - The MLF represents how governments can create value for provisioning, against the deficit myth
 - Extraordinary moment, extraordinary offer, extraordinary requests
- **Strategy:** A national coalition of applicants from urban and rural districts work together to share information and resources. We apply to the MLF together.
 - Decrease barriers to entry for applicants
 - Facilitate coalition meetings

Details: How do you apply to the MLF?

- **Eligibility requirements**
 - Cities, states, counties, or 'designated RBIs'
 - School districts can't unless designated
- **Calculating the amount of the loan**
 - 20% gross revenues of applying entity
- **The interest rate**
 - Depends on credit rating
 - Baa3 = 3.3%
 - Added to whatever rate you'd get on the private market
- **The origination fee = 10 bps of loan (.001)**