

Philadelphia Water Fairmount Water Works

Green City, Clean Waters -- 25 Year Plan

- June 1, 2011 Consent Order and Agreement with PA DEP
- April 10, 2012 Signed a partnership agreement with EPA

Schools present a great opportunity for transformation—
bigger systems and stormwater credit is appealing to the SDP

Classroom to schoolyard connection is curriculum opportunity
Watershed as an integrated context for learning

PWD CAPITAL PROJECT

PWD Designs
& Constructs



Numerous sites under
development

SDP CAPITAL PROJECT

PWD Grants \$
to SDP to
Design &
Construct



SDP's 1st Stormwater
Management Incentive
Program Grant, for three
Schools

3rd PARTY PROJECT

PWD Grants
to 3rd Party
implementers
to Design &
Construct



The Trust for
Public Land
West Philadelphia Coalition
for Neighborhood Schools
Drexel

School District of Philadelphia Green Schoolyard Projects

Completed Projects to Date

Public Schools: Penn Alexander, Greenfield, William Dick, William Cramp, Lea, George W. Nebinger

Charter Schools: Independence Charter, Wissahickon Charter

Private schools: Green Street Friends

20 Projects in Development

William Dick



William Dick



Lea School

Philadelphia Water
GREEN SCHOOLS



Photo Credit: Greening Lea

Lea School

Philadelphia Water
GREEN SCHOOLS



Photo Credit: Greening Lea

Nebinger School

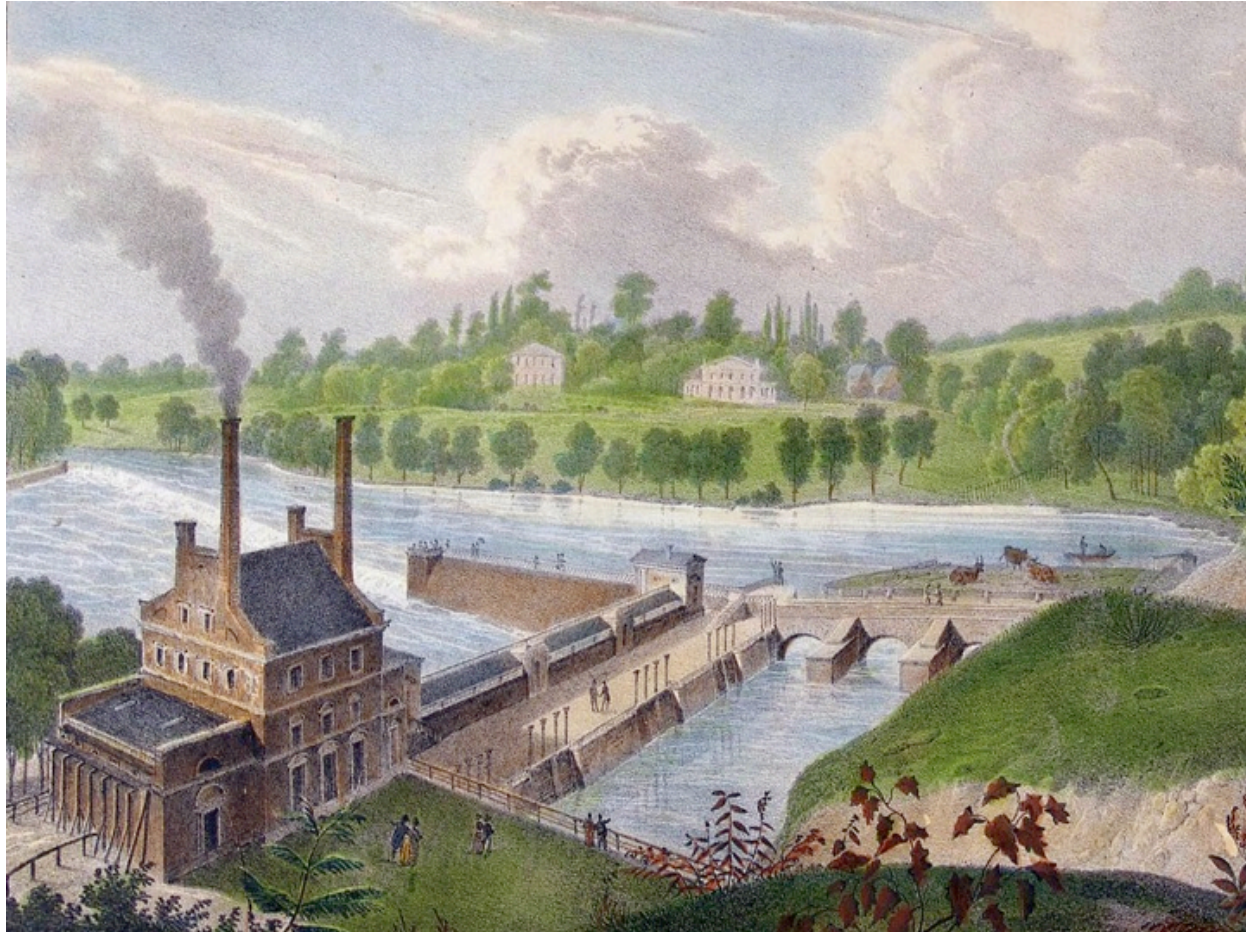
Philadelphia Water
GREEN SCHOOLS



Nebinger School



Fairmount Water Works 1830s City's Drinking Water Supply



Philadelphia Water

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Fairmount Water Works 2015: Watershed Education Center



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Discover...Connect...Act



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Formal Classroom Learning

An aerial photograph of Fairmount Park in Philadelphia. In the foreground, a dense forest of green trees covers the left side. A winding path leads from the forest towards a large, multi-arched stone bridge that spans the Schuylkill River. The bridge has several large, rounded arches and is topped with a road and a railway track. To the right of the bridge, a multi-lane highway with cars and a truck runs parallel to the river. The river itself is calm, reflecting the sky and the surrounding greenery. In the background, the Philadelphia city skyline is visible, featuring various skyscrapers and buildings under a bright, slightly cloudy sky. A small, white, spherical structure is visible on the right side of the skyline.

Understanding the Urban Watershed Curriculum
Fairmount Water Works

Engaging STEaM opportunities



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Classroom to Schoolyard Connection



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paddling on the water...



...taking field samples

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**Teacher Fellowship Curriculum Program
Middle Years Curriculum
supported by the William Penn Foundation
2014-2017**



Experiential and place-based Real world data Common core and NGSS Standards



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