



Water Management Design Challenge



THE **PENN STATE** CENTER
ENGAGING PITTSBURGH



1. Summary and Background

The Penn State Center Pittsburgh located at the Energy Innovation Center is currently accepting proposals for a solution to the water runoff problem for the **Letsche Elementary School** (also known as Letsche Alternative Learning Center and Letsche Education Center) located in the Upper Hill neighborhood of in [Pittsburgh, Pennsylvania](#). The Letsche School is part of the property managed by the Energy Innovation Center.



The purpose of this Request for Proposal (RFP) is to solicit proposals from local consulting teams to address the water management issues related to the Letsche School. The proposal should include:

- a 2D or 3D model
- a narrative explaining why choices were made
- a general budget outlining the items necessary for the solution
- any other documentation to support the proposal

2. Project Purpose and Description

The purpose of this project is as follows:

The Penn State Center Pittsburgh seeks a design for a water management system for the Letsche School that includes both the rooftop runoff and the parking lot drainage of water.

Project Description:

Penn State expects the design to model the strategies employed at the former Connelley Trade School now part of the Energy Innovation Center. The strategies could include the use of bioswales, permeable pavement, strategic planting of horticulture, as well as new or innovative approaches identified in the final proposal.



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Draft Concept Plan

3. Project Scope

The following criteria must be met to achieve a successful project:

- Reduction by at least 25% of the water run off from the roof area;
- Reduction by at least 25% of the water currently draining into the parking lot area.

4. Request for Proposal and Project Timeline

Request for Proposal Timeline: (to be determined)

All proposals in response to this RFP are due no later than 5pm EST April 8.

Evaluation of proposals will be conducted from 10:00: - 11:30 April 9, 2016

5. Budget

All proposals must include proposed costs to complete the tasks described in the project scope.

Pricing should be listed for each of the following items in accordance with the format below:

- Cost of materials \$
 - Aggregate
 - Permeable
 - Pavement (type)
 - Landscape materials
 - Soil
 - Others
- Labor for installation \$
- Administrative costs \$
- Other \$

6. Proposal Evaluation Criteria

Penn State will evaluate all proposals based on the following criteria. To ensure consideration for this Request for Proposal, your proposal should be complete and include all of the following criteria:

- Overall proposal suitability: proposed solution(s) must meet the scope and needs included herein and be presented in a clear and organized manner;
- Value and cost: Bidders will be evaluated on the cost of their solution(s) based on the work to be performed in accordance with the scope of this project

7. Appendix

- A. Survey of EIC/ Letsche School (see attached document)