



Environmental Open House

March 9, 2024

Upper Dublin Environmental Protection Advisory Board (EPAB)

Mike Haas, Chair

Email - mhaas270@comcast.net



EPAB: Who We Are





EPAB: What We Do

- **Advise the Commissioners on matters related to the protection and enhancement of the environment, e.g., in areas such as waste disposal, water quality and conservation, recycling, pollution, energy usage, and erosion control**
- **Community outreach for exchange of information**
- **Review commercial development plans**



EPAB Open House

- **Short presentations by EPAB and other community groups on environmental topics**
- **Please sign up outside for further information or to volunteer**



Samantha McLean
Michael Baker International

Upper Dublin's
Comprehensive Plan

Samantha McLean - Samantha.McLean@mbakerintl.com

Alison Giles, UDT Zoning Officer & Planning Coordinator,
agiles@upperdublin.net

Time is

Running Out!



Share Your Priorities for the Future Today!

Upper Dublin Township is seeking community feedback for its **Comprehensive Plan update** and time is running out! You can help shape the future of the township by **taking the UD Plan Survey TODAY!**

The survey closes March 12, 2024.



Scan the QR code or visit
www.surveymonkey.com/r/UDPlanSurvey
to take the survey.





Carolyn Grayshaw
WeConservePA

WeConservePA Initiatives

Carolyn Grayshaw - cgrayshaw@weconservepa.org



WeConservePA

EAC NETWORK

The EAC Network Is

A peer-support network of Environmental Advisory Council members administered by WeConservePA.

What The EAC Network Does

- Provides **RESOURCES** and **TECHNICAL ASSISTANCE**
- Facilitates **PEER CONNECTIONS**
- Shares important **NEWS** and **GRANT OPPORTUNITIES**
- Develops **EDUCATIONAL OPPORTUNITIES**

Resources and Technical Assistance:

- [WeConservePA.org/EAC](https://www.WeConservePA.org/EAC)
- [Library.WeConservePA.org](https://www.WeConservePA.org/Library)

The Library at WeConservePA contains an entire section for EAC Resources, including sample bylaws, ordinances and resolutions, and educational and outreach materials.

The Environmental Advisory Council Handbook

Guidance for Establishing and Operating EACs in Pennsylvania



Peer Connections:










[Forum](#) | [Profile](#) | [Members](#) | [Subscriptions](#) | [Activity](#) | [Logout](#)

[Join Discussion](#)

Join Discussion

The EAC Network Forum allows environmental advisory council members to help one another by facilitating the sharing of experiences and by encouraging group problem solving. This forum is open to anyone wishing to advance the work of EACs.

[+ New Topic](#)

Topics		Last post
 Education and Events By Carol Grayshaw · 1 2 12 Replies		18 hours ago Carol Grayshaw
 Creating Healthy and Sustainable Communities By Carol Grayshaw · 1 2 12 Replies		3 days ago Carol Grayshaw
 Transportation By Carol Grayshaw 3 Replies		3 days ago Carol Grayshaw
 Grants and Fundraising By Carol Grayshaw · 1 2 10 Replies		6 days ago Carol Grayshaw
 Climate Change By Carol Grayshaw 2 Replies		2 weeks ago Carol Grayshaw
 PA Solar By Carol Grayshaw 4 Replies		1 month ago Carol Grayshaw
 Native Plants and Sustainable Habitats By Carol Grayshaw 8 Replies		2 months ago Carol Grayshaw

WeConservePA.org/eac/join-discussion

News, Stories, and Grant Opportunities:

Sign up for the
EAC Network Newsletter at
[WeConservePA.org/get-informed](https://www.WeConservePA.org/get-informed)



EAC Network Newsletter

EAC Network Virtual Conference: Register Today!

The **EAC Network Virtual Conference** will be held **Saturday, February 24, starting at 9AM**. Join fellow Environmental Advisory Council (EAC) members, municipal staff, elected officials, and others interested in the work of EACs for a full day of training and networking, without the hassle of travel.



Lightning Sessions Announced:

Happening as a part of the morning plenary at 9AM, lightning share sessions are brief presentations highlighting EAC initiatives, project success stories, or new and innovative ideas meant to inspire.

Educational Opportunities:

- *Living with Logistics: PennFuture's Model Zoning Ordinance*
- *Why Municipalities Should Consider a Utility Scale Solar Ordinance*
- *The Pennsylvania Outdoor Corp: Workforce Development for the Benefit of Conservation and Outdoor Recreation*
- *Graphic Grammar: Design Advice from a Guy Who Can't Draw*
- *GIS Options for EACs*

[WeConservePA.org/events](https://www.WeConservePA.org/events)

Recordings available for most events

Large Scale Events:

- **EAC Network Virtual Conference (February)**
- Pennsylvania Land Conservation Conference (April)
- Greenways and Trails Summit (September)
- **EAC Fall Gathering (October)**



Contact Me

- Carolyn Grayshaw
- Director of Education
cgrayshaw@weconservepa.org
- 717 291 4074

[WeConservePA.org/EAC](https://www.WeConservePA.org/EAC)



Ed Landau
Upper Dublin EPAB


Recycling Program in UDT


- **What happens to your recycled material**
- **DOs and DON'Ts of recycling**


elrla@erols.com

Upper Dublin Township Guide to Trash, Recycling, Yard Waste, Drains

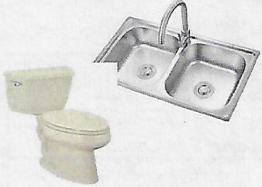
... and what to do with things you no longer want


Recycling	Yes	No
 <p>Try to only place this cart out for collection when it is over half full.</p>	Clean & Dry Materials ONLY. Contamination in the Recycling Stream has become a big problem.	Rinse out all food containers
	<ul style="list-style-type: none"> Glass bottles and jars only -- all colors #1 thru #7 plastic bottles & containers Leave bottle caps on plastic bottles Aluminum and bi-metal cans & lids. empty Aerosol cans • Metal lids Cartons - milk, juice, broth, eggs Cardboard • Newspaper Office paper, folders, junk mail Phone books, paperbacks, catalogs Paper over about 5" dimensions Wrapping paper (no glitter, foil, ribbon) Amazon paper-padded packaging 	<ul style="list-style-type: none"> Anything with grease or food stains Styrofoam Styrofoam cups Plastic bags Bubble wrap Food Waste Pizza boxes Hangers • Wire Rope • Hoses Shredded Paper CD's - DVD's Clothing Diapers
	<ul style="list-style-type: none"> Call Twp for cardboard box pick-up 	<ul style="list-style-type: none"> • Don't place things in plastic bags •
	If in Doubt -- Leave it Out	

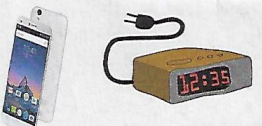
Yard Waste	Yes	No
Nothing should stick out above top of bin.  <p>All yard waste goes to UD Twp compost sites</p>	<ul style="list-style-type: none"> Grass Leaves Branches under 5-inch diameter Branches under 4-foot length Yard waste (Kraft) bags Sticks can be tied with twine, and placed out separately (max 50#) Up to 9 containers/bags per week Kitchen waste -- Fruit and Veggie scraps, egg shells, stale baked goods, coffee grounds/filters, pizza crusts, corn husks For Area 'B' and 'C' residents... all waste must be in yard waste bin. 	<ul style="list-style-type: none"> Plastic bags, pots, labels Branches over 6-inch diameter Branches over 4-foot length Wood chips Stump grindings Root balls Tree stumps Soil (dirt) Sod Rocks Bricks Non-plant Kitchen waste (meat, etc) Logs Animal waste Lumber (2x4's, plywood, etc) Plastic flower pots or foam oases Christmas wreaths on frames Landscape Cloth Bamboo (use private company)
	If in Doubt -- Leave it Out	
	Composting -- If you have space, create a compost area in your yard to place general food waste, egg shells, coffee grounds, etc	

General Trash	Yes	No
	<ul style="list-style-type: none"> General household trash that doesn't belong in the Recycling or Yard Waste bins. Styrofoam Alkaline batteries Latex paint (no liquid - must dry out first) Bamboo 	(See Hazardous Waste list on pg 2) <ul style="list-style-type: none"> Oil-based paints and stains Paint thinners, strippers, etc Weed killers, pesticides Sealers, cements, adhesives Gas, oil, anti-freeze, fluids Kerosene, fire extinguishers Cleaning fluids, solvents Flourescent bulbs, ballast, CFLs Mercury thermometers Radiation patient waste materials Bamboo (use private company)
	No	
	<ul style="list-style-type: none"> Medical Waste Tires Construction Materials Fire hazards >> Pool chemicals Lithium batteries 	

Upper Dublin Township Guide to Trash, Recycling, Yard Waste, Drains, etc (pg 2)

House Drains	Yes	No
	Normal household wastewater Household waste	Untreated drugs and chemicals will wind up in our streams. Prescription & over-the-counter drugs (police drop-off)
	No Fats, oils and grease Gas, oil, anti-freeze, auto fluids Paint -- Latex or Oil based Cleaning fluids, solvents	Egg shells Adult wipes Coffee grounds Disinfectant wipes Cat litter Tampons Fertilizers Condoms Pesticides Contact lenses

Hazardous Waste	Yes	No
 <p>Drop-off locations (2023) www.montcopa.org (click on "Hazardous Waste") Saturdays 8:30AM to 2PM • Must register on-line • June 1 - Temple Ambler June 15 - Abington Mid Sch</p>	<ul style="list-style-type: none"> Oil-based paints and stains Paint thinners, strippers, etc Weed killers, pesticides Sealers, cements, adhesives Gas, oil, anti-freeze, fluids Kerosene, fire extinguishers Rechargeable batteries Cleaning fluids, solvents Flourescent bulbs, ballast, CFLs Mercury thermometers Deliver items in original labeled containers when possible.	<ul style="list-style-type: none"> Explosives - Ammunition Infectuous or medical waste Tires Electronics • Smoke detectors Asbestos • Radioactive waste Helium tanks • Gas cylinders Appliances Refrigerants, PCBs Latex paint (regular trash) Alkaline batteries (regular trash)

Electronic Waste	Yes	No
	Anything with a plug Electronic devices • Computers Cell phones • Telephones Copiers TVs & Monitors (will charge fee)	Large Appliances Dehumidifiers Video tapes
	Sat, June 22, 2024 (9-12) -- at UD Library 520 Virginia Drive	

Shredding	Spring & Fall events Upper Dublin Library -- check website for dates
	Saturdays April 6 & Sept 21, 2024 (8AM to 10AM) UD Library -- 3 box/bag limit

Drugs	Drop off any drugs in the lobby of the UD Township police dept - day or evg. (no needles, sharps or liquids - Call PD with questions 215-646-2101)
Styrofoam	Northeast Foam Recycling 90 Hamilton St, Chalfont, PA 18914 215-699-4541 • Only #6 styrofoam -- No peanuts, colors, or with any food residue
Plastic Bags	Supermarkets -- All plastic bags, including clean food bags, bubble wrap
Metals, wire, motors	Take to 611 Metals in Willow Grove, Sullivan in Hatboro, or other recyclers
Construction Mat'ls	Clean drywall, lumber, bricks, etc -- click "Building Materials" on "A-Z Recycling"
Tires	Take to tire retailers who may charge a small fee
Clothing, Textiles	• Parking lot boxes • Local 2nd-hand stores • Keystone Green textile recyclers.
Batteries	Rechargeable batteries to Home Depot and other stores, or hazardous waste
For anything not listed in the "Yes" columns above, refer to this Montgomery County website: Google "Montcopa recycling" --- then click on "A-Z Recycling Guide"	
The 3 R's of Recycling ---- 1. Reduce what is consumed, buy bulk, compost scraps -- and Refuse plastic. 2. Reuse -- Reevaluate what can be reused/repurposed in some way. 3. Recycle as a third option. This summary is still in progress -- Updated 2-20-24	

Stormwater Management for Residential Properties

Upper Dublin EPAB
3rd Annual Environmental Open House
March 9, 2024

by:
Domenic Rocco, P.E.
Chair, Conshohocken EAC



Stormwater – Background

- **Stormwater Control Measure** - SCMs reduce or mitigate the generation of stormwater runoff and associated pollutants.
- For new land development –stormwater management factors are addressed.
- For older built-out communities, SWM was only incorporated for drainage (conveyance) – not to collect, store and/or control.
- Until recently, there has not been entities established with the responsibility of doing all these functions at the community level. (Stormwater Utilities are now emerging)



Opportunities for SWM on Residential Property

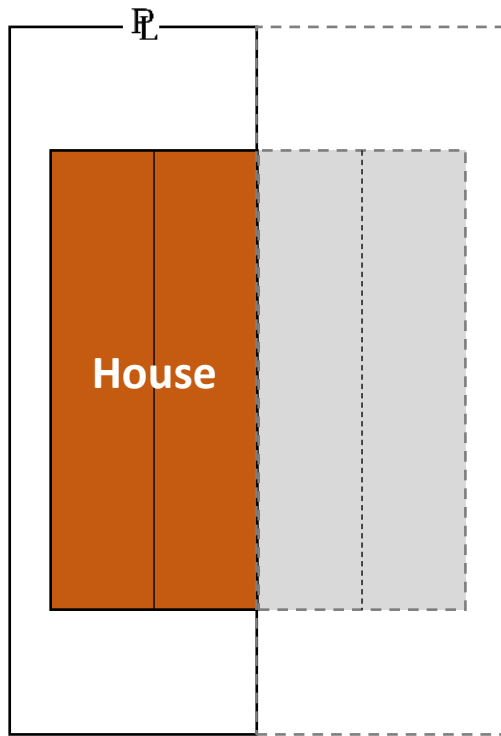
- All properties have opportunities for Stormwater Management (SWM).
- Here are factors that affect options.
 - Lot Size
 - Percent impervious cover
 - Landscaping/Vegetal Cover
 - Terrain: Slope & Soil Type
 - Location of downspouts



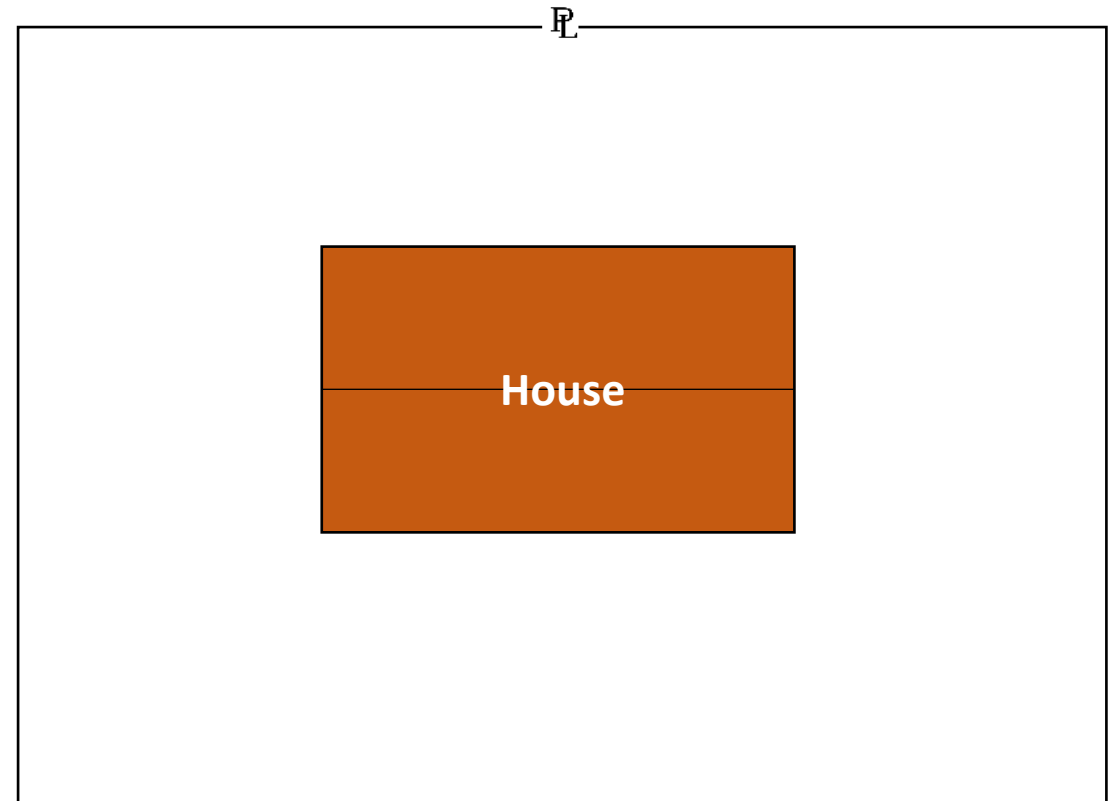
MISSED OPPORTUNITIES FOR SWM

Size

Townhouse or Twin

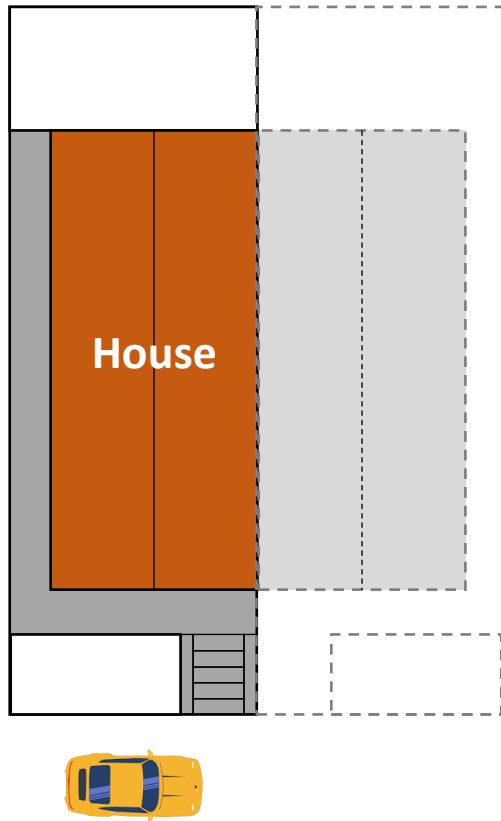


½ Acre Lot

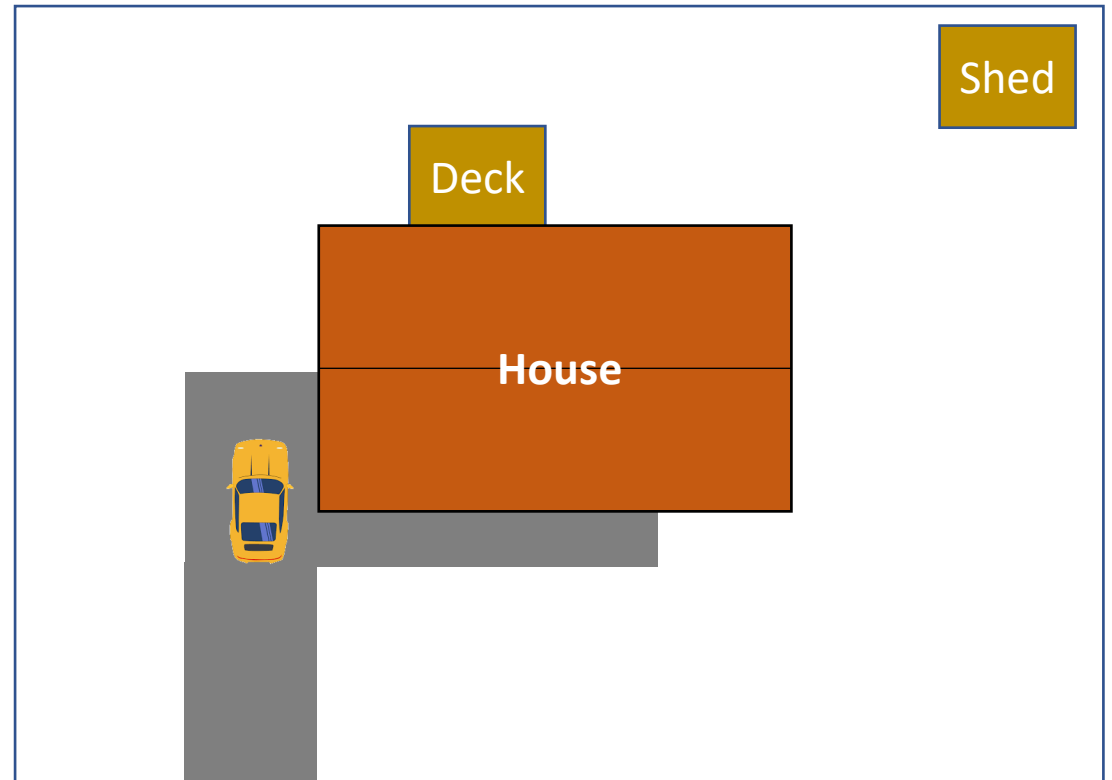


Impervious Cover

Townhouse or Twin

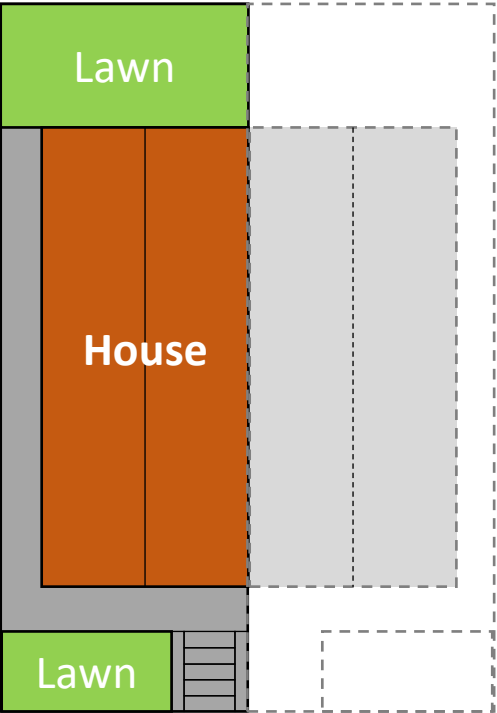


½ Acre Lot

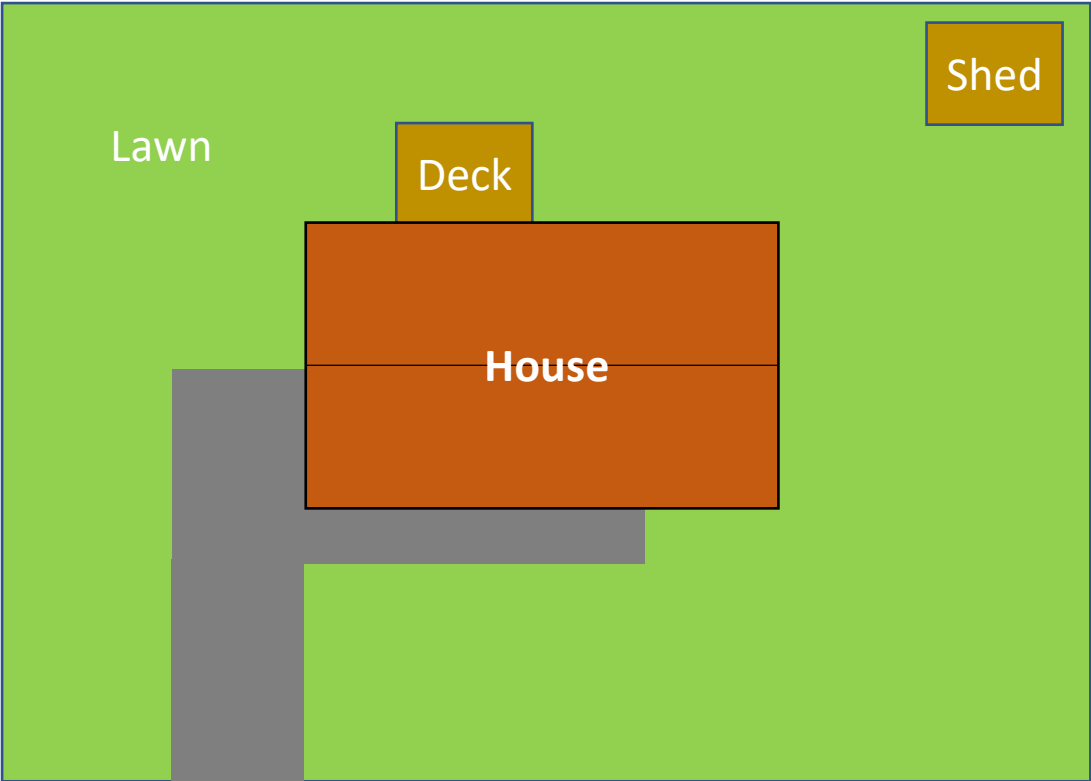


Landscaping/Vegetal Cover

Townhouse or Twin



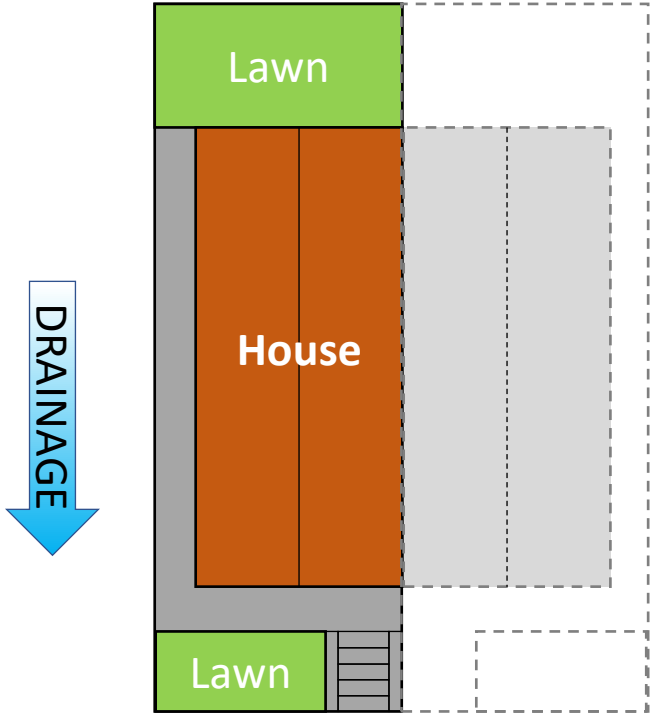
1/2 Acre Lot



Terrain: Slope and Soil Type

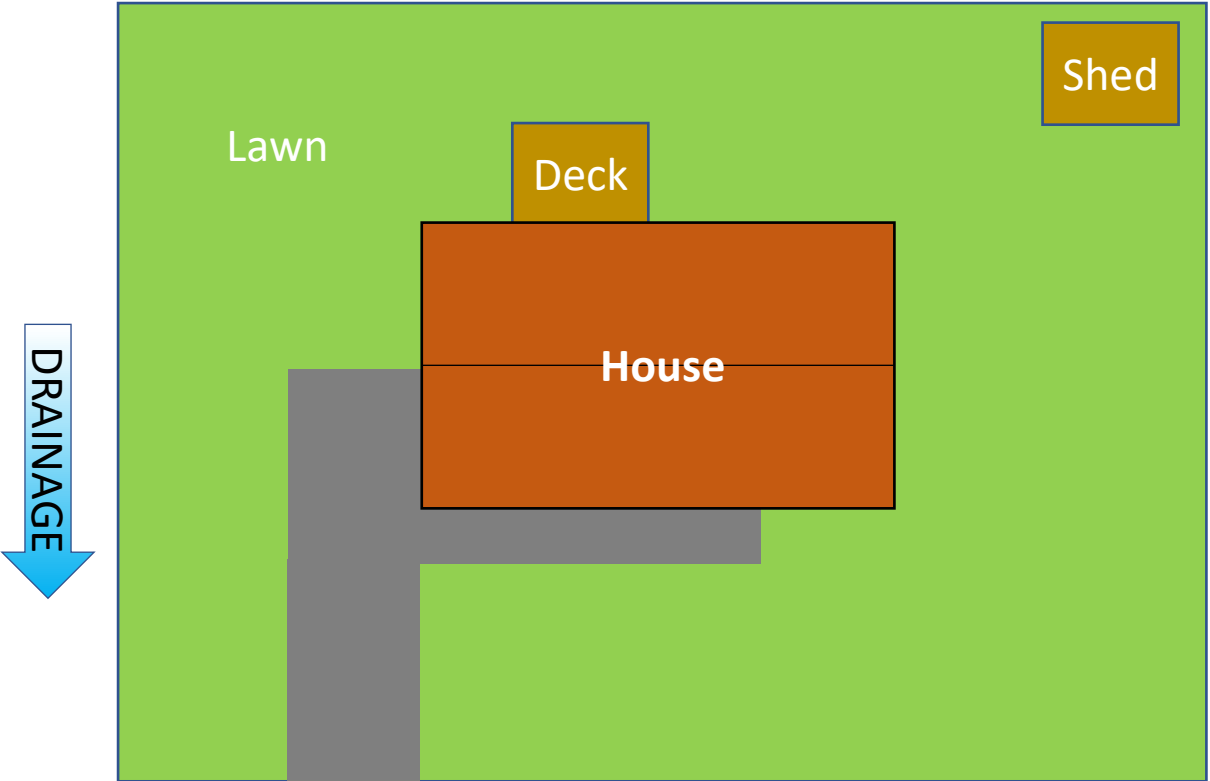
Townhouse or Twin

Soils: Mont. Co
Silty Loam (HSG C)



½ Acre Lot

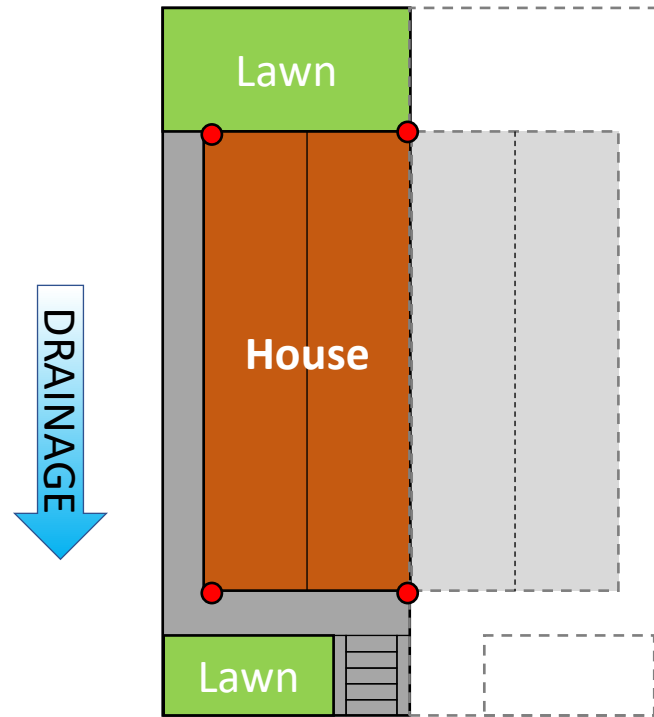
Soils: Mont. Co
Silty Loam (HSG C)



Downspout Location

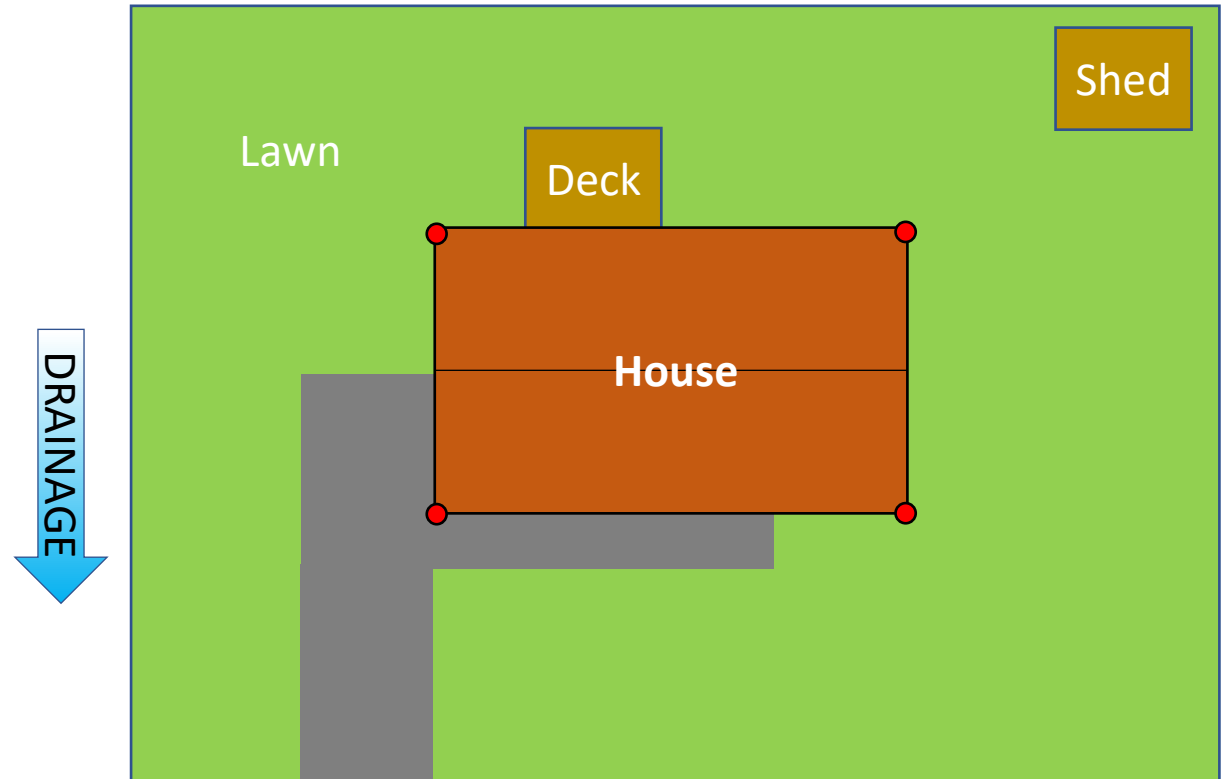
Townhouse or Twin

Soils: Mont. Co
Silty Loam (HSG C)



½ Acre Lot

Soils: Mont. Co
Silty Loam (HSG C)



Townhouse



NATIVE PLANTINGS (\$\$)



DOWNSPOUT PLANTER (\$)



Viable Options:

- Native Plantings (\$\$)
- Rain Barrel (\$)
 - Need a use for the water
- Downspout Planter (\$)
 - Good in urban areas
- Disconnected Downspout (0)
 - Easy and cost effective

RAIN BARREL(\$)



DISCONNECTED DOWNSPOUT(0)

1/2 Acre Lot



PLANT A TREE (\$)



POROUS PAVEMENT (\$\$\$)



Viable Options:

- Native Plantings(\$\$)
- Rain Barrel (\$)
- Downspout Planter (\$)
- Disconnected Downspout (0)

+

- Plant A Tree (\$)
- Rain Garden (\$\$)
- Porous Pavement (\$\$\$)



RAIN GARDEN (\$\$)

Wrap Up

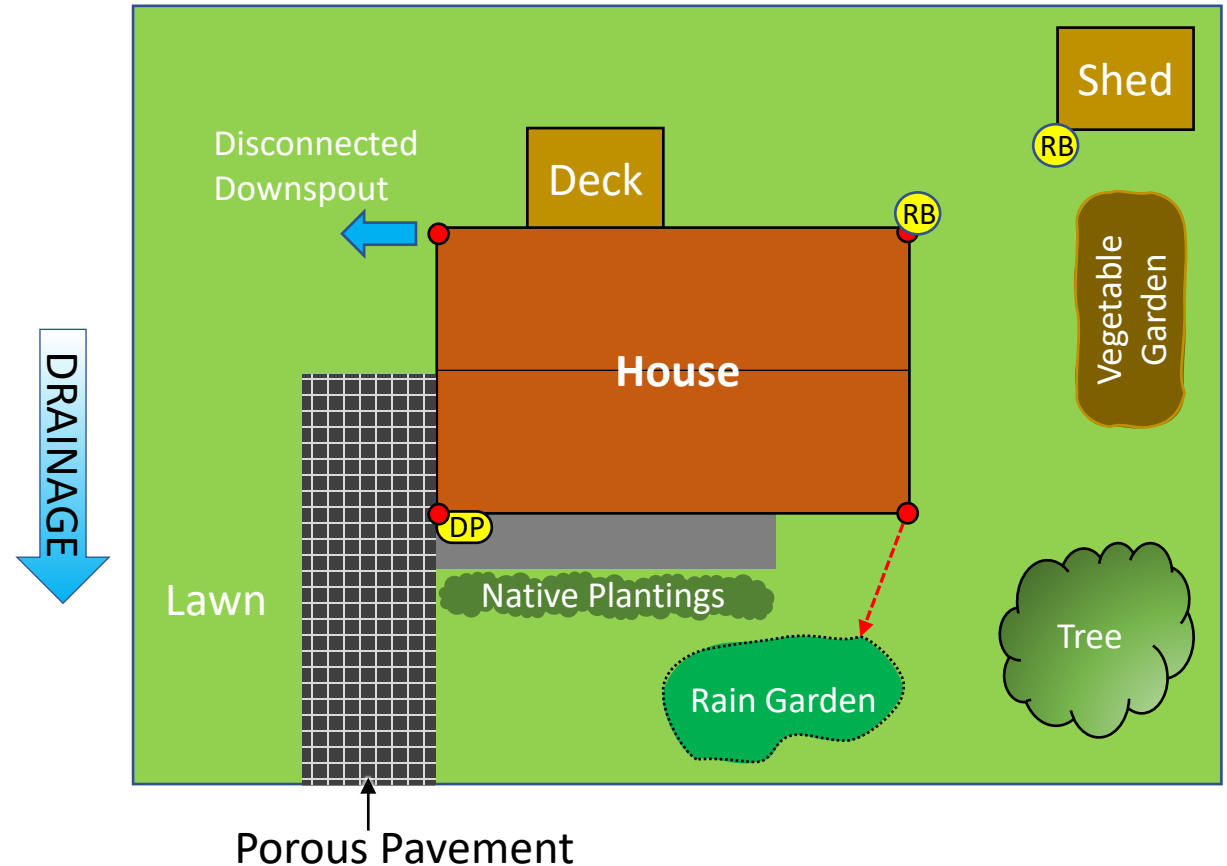
- There are a variety of opportunities for SWM on residential properties.
- Cost is variable.
 - The most economic option is to disconnect a downspout.
- Local municipalities/ sewer authorities are focusing much more on stormwater.



½ Acre Lot w/ SCMs

Soils: Mont. Co

Silty Loam (HSG C)



Contact Info:

Domenic Rocco, P.E.

Conshohocken EAC Chair

greenconshohocken@gmail.com

Join Us for **Conshy GreenFest**

Sat. April 27, 2024, 11a-2p

Mary Wood Park





Austin Faberman Upper Dublin EPAB

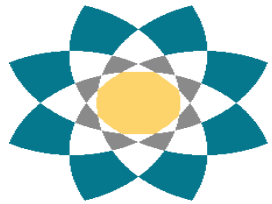
Single-Use Plastic Bags

austin.faberman@gmail.com

UPPER DUBLIN TOWNSHIP – OPEN HOUSE – SATURDAY MARCH 9, 2024

ENERGY AUDITS AS A FIRST STEP TO NET ZERO CARBON EMISSIONS

PAUL SPIEGEL, PE, LEED AP
DIRECTOR, ENERGY SERVICES
PRACTICAL ENERGY SOLUTIONS/SSM GROUP



practical
energy
solutions

Practical Energy Solutions

Engineering, Surveying and Environmental Services

ssmgroup.com

NET ZERO ENERGY INITIATIVES – ENERGY AUDITS

What we're exploring today!

Why Net Zero?

Where to start

The “Energy Pyramid” (updated)

Energy Initiatives in Municipal Buildings

Operational Assessments and Optimization

Monitoring and Managing Your Building(s)

Capital Projects

Renewable energy

Tax credits, Rebates, and Grants, oh my!! (for another day with more time)

A CLEAN ENERGY FUTURE

Reasons to Support Clean Energy Initiatives

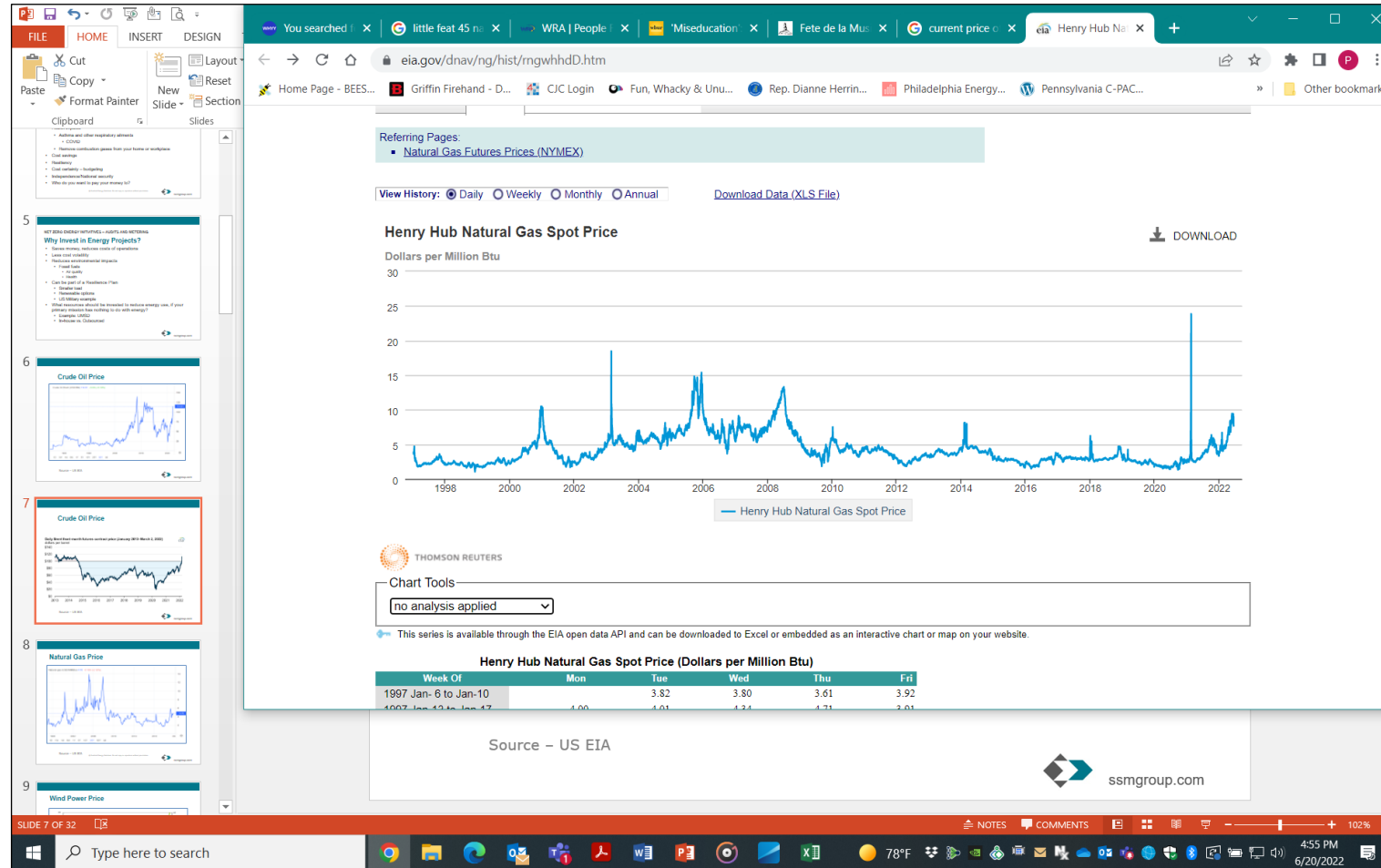
- Environmental impacts
 - Air and water pollution
 - Climate
- Health impacts
 - Asthma and other respiratory ailments
 - COVID
 - Remove combustion gases from your home or workplace
- Cost savings
- Large corporations “greening” their supply chains
- Resiliency
- Cost certainty – budgeting
- Energy Independence
- Commitment to climate goals

Crude Oil Price



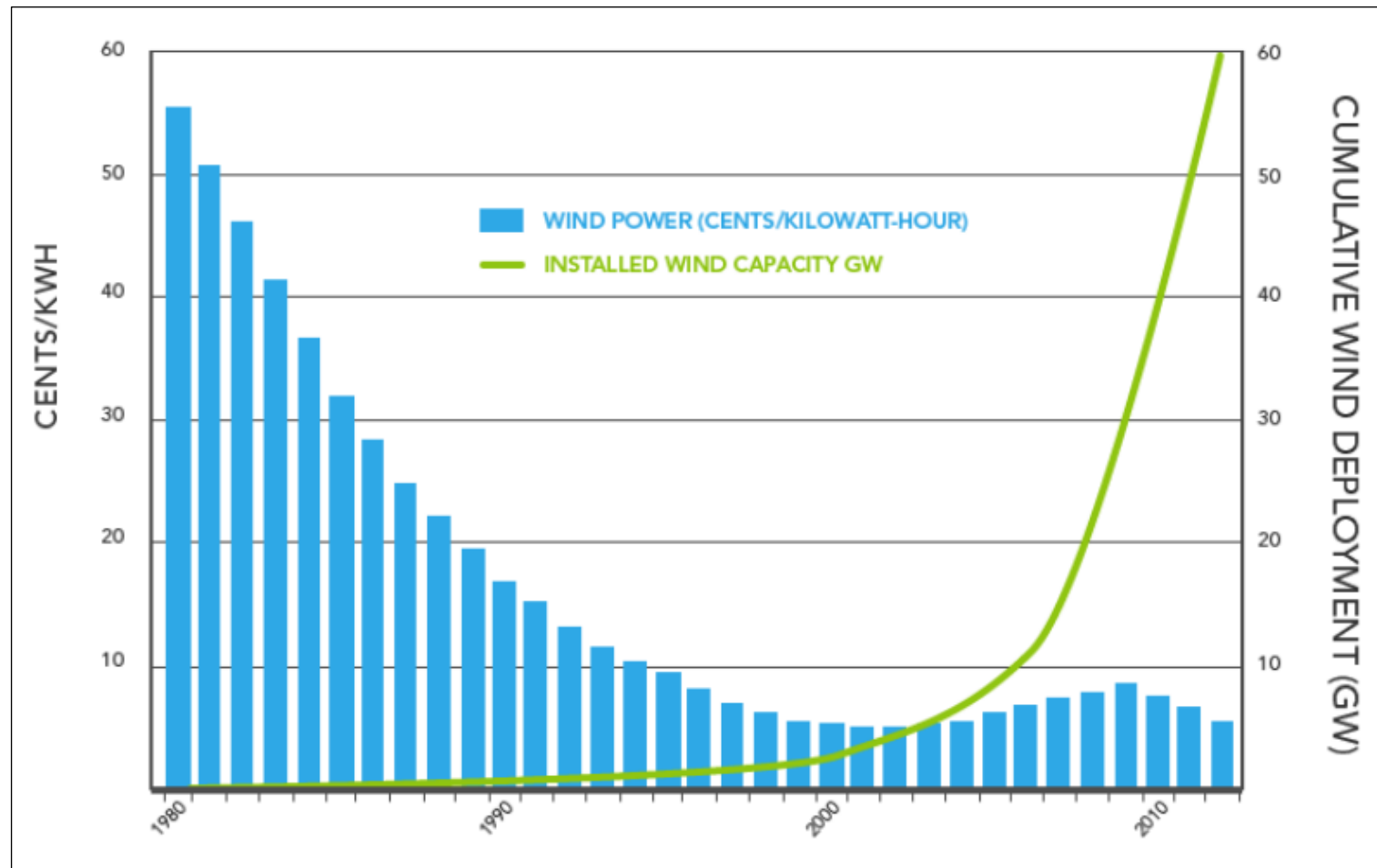
Source – US EIA

Natural Gas Price



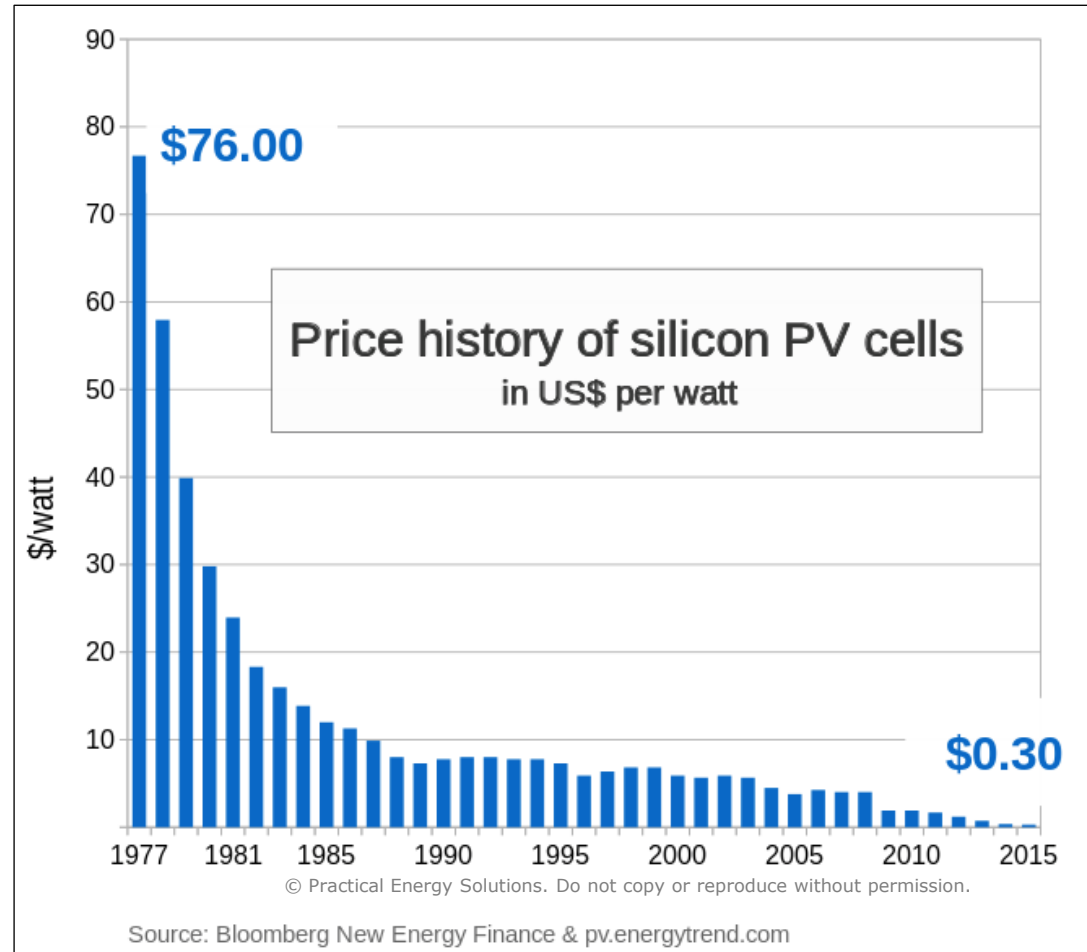
Source - US EIA

Wind Power Price

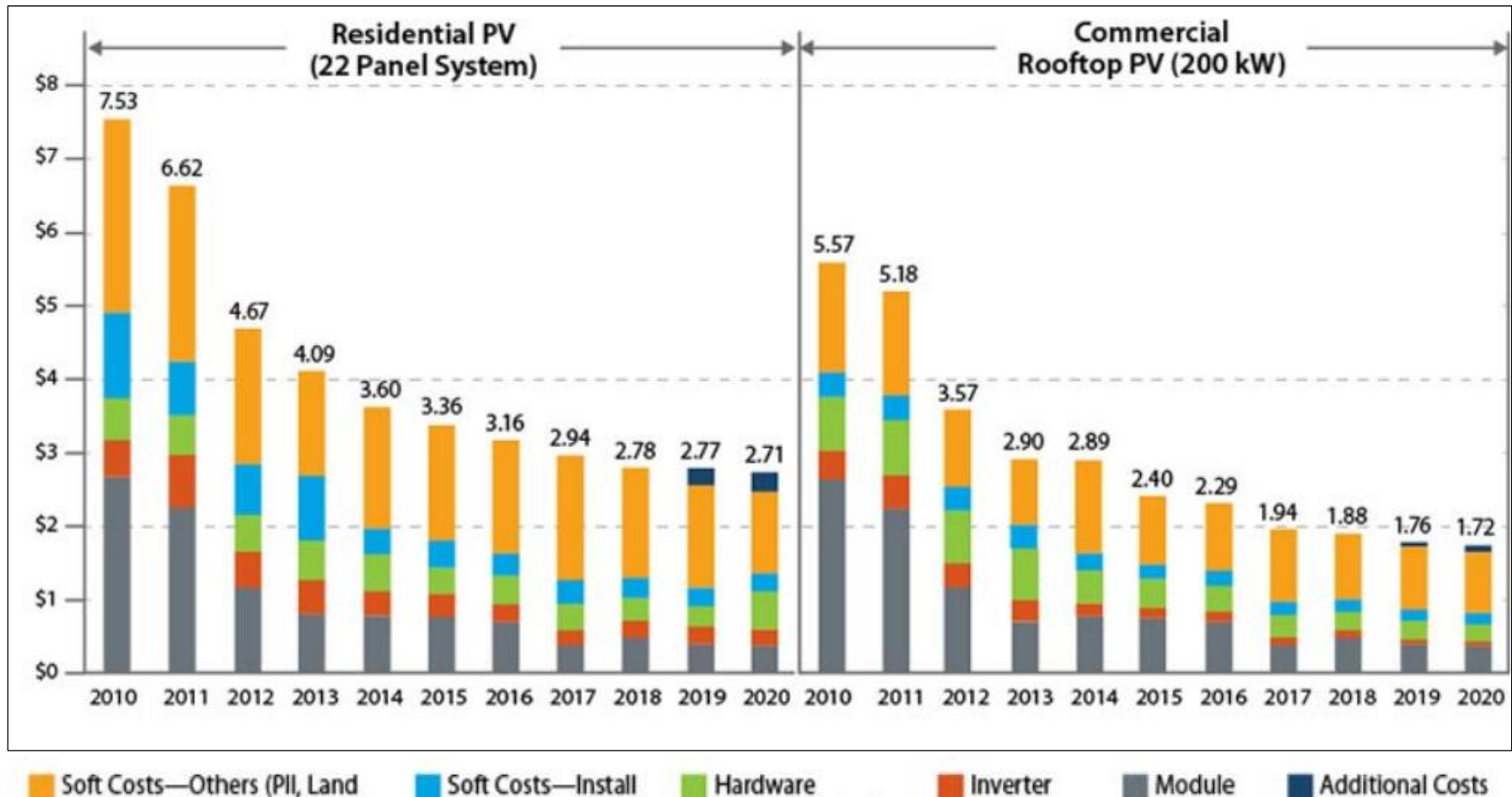


Source – US EIA

Solar Cell Price



Solar Cell Price - Installed

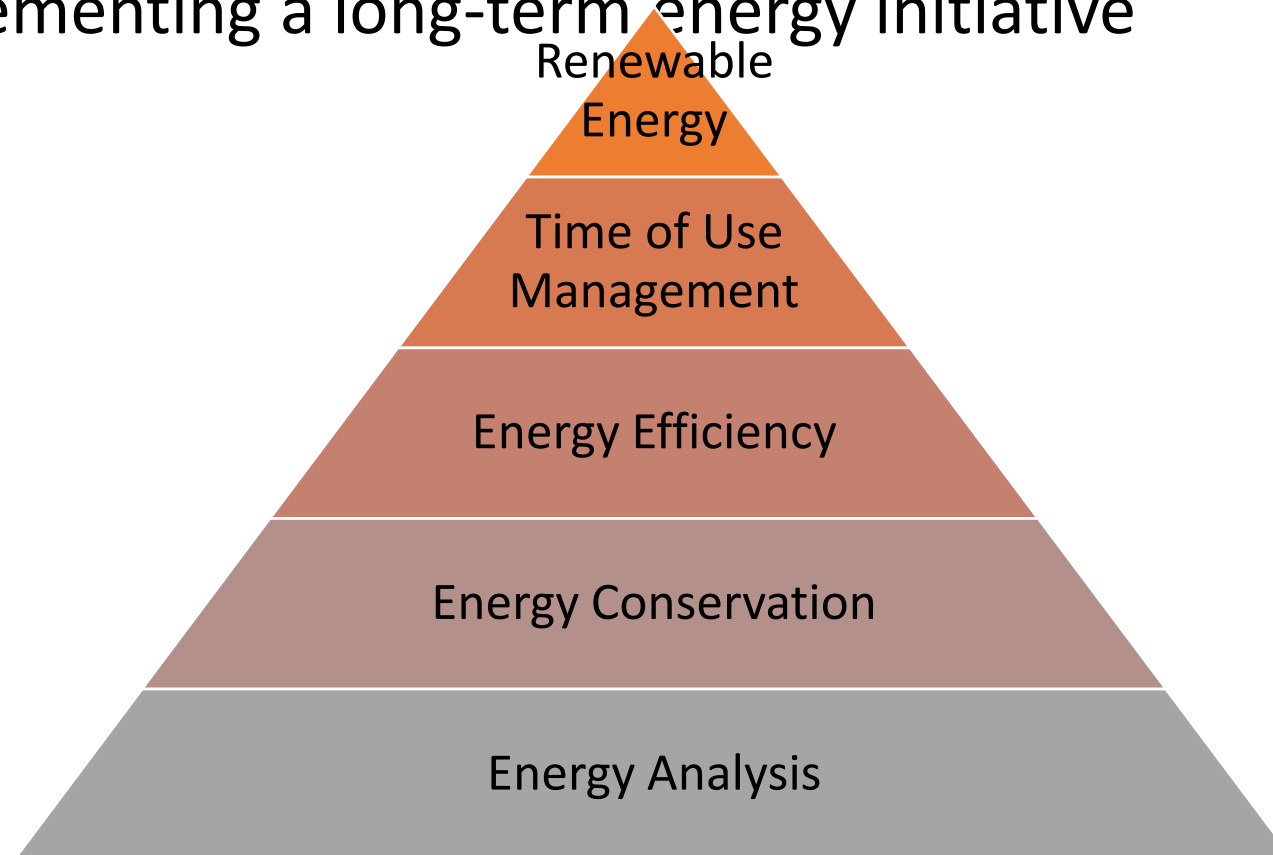


Source - US EIA

NET ZERO ENERGY INITIATIVES – AUDITS AND METERING

Where to Start

- A logical progression for planning and implementing a long-term energy initiative



NET ZERO ENERGY INITIATIVES – ENERGY AUDITS

Energy Assessment, Analysis and Planning

- Where you are now, and how and where your building uses energy.
- When do your buildings use the most energy?
- How are you charged for energy and how much does it cost?
- Identify opportunities for operational cost savings
 - Consumption
 - Demand
- Develop a plan for capital projects, especially when equipment is nearing end of life.
- Outline and check feasibility of renewable energy options.
- ASHRAE Level 1, Level 2, or Level 3 energy audits.

NET ZERO ENERGY INITIATIVES – AUDITS AND METERING

Impact of Energy Decisions Today

- Planning for now, and 5 – 20 years out from now.
- Certain types of equipment have such a long service life, that decisions you are making now, and upgrades you're already doing, or replacement of EOL equipment will affect you for years to come, in an energy landscape that looks very different than today.
- Don't just look at the short-term impacts on costs, have someone guide you to anticipate possible changes in the energy marketplace – guaranteed to have volatility.
- Save money for years while reducing your impact on the environment today.
- Reinvest savings in future projects.
- Be prepared for funding opportunities.

NET ZERO ENERGY INITIATIVES – AUDITS AND METERING

Operational Changes & Capital Upgrades

- The “down in the trenches” view looks at how capital upgrades and operational changes can pay for themselves in energy cost savings
- Daily management of facilities and operations can be adjusted to take advantage of the opportunities available in the changing energy landscape
 - Energy price fluctuations
- Improves resilience of your energy supply during natural and man-made disasters

Funding Resources

- How can you pay for capital projects to help your bottom line?
- CPACE
- Utility Rebates in PA
- Regional Greenhouse Gas Initiative (RGGI) (on hold)
 - Puts a cap on the total emissions from existing power plants. If they want to increase output, they can be more efficient and use renewable energy, or buy rights to efficiency gains of others, such as a water authority or building owner. Funds to be used for new projects.
- Commonwealth Financing Authority (CFA)
- Green Energy Loan Fund (GELF) through Reinvestment Fund
- USDA REAP program for rural areas
- PA DEP – small business grants; subsidized energy managers and audits
- Federal Infrastructure Bill
 - EV
 - Efficiency
 - Renewables
 - Resilience

RECAP - HOW DO WE GET TO NET ZERO?

NET ZERO ENERGY INITIATIVES – AUDITS AND METERING

Recap: Energy Assessments

- Meeting aggressive energy goals doesn't happen by accident
 - Start with assessments/audits – where you are and future options
 - Operational changes (conservation)
 - Capital projects (efficiency)
 - HVAC – geothermal or VRF
 - Electrification
 - Renewable energy
 - Install solar
 - Direct purchase
 - PPA
 - Community solar
 - Purchase credits or offsets
 - Wind
 - Hydro
 - Solar
- Get expert support
- Have a list of priority projects to take advantage of grants

Thanks for joining us!



**PAUL SPIEGEL, PE, LEED
AP**

Director, Energy and Sustainability Services
Practical Energy Solutions

Direct: 610-609-8313

Paul.Spiegel@ssmgroup.com



Gary Scarpello
Upper Dublin Commissioner

**Municipal Complex Update –
Environmental and Energy
Considerations**

gscarpello@upperdublin.net



New Upper DUBlin TowNship aND police bUILDiNg

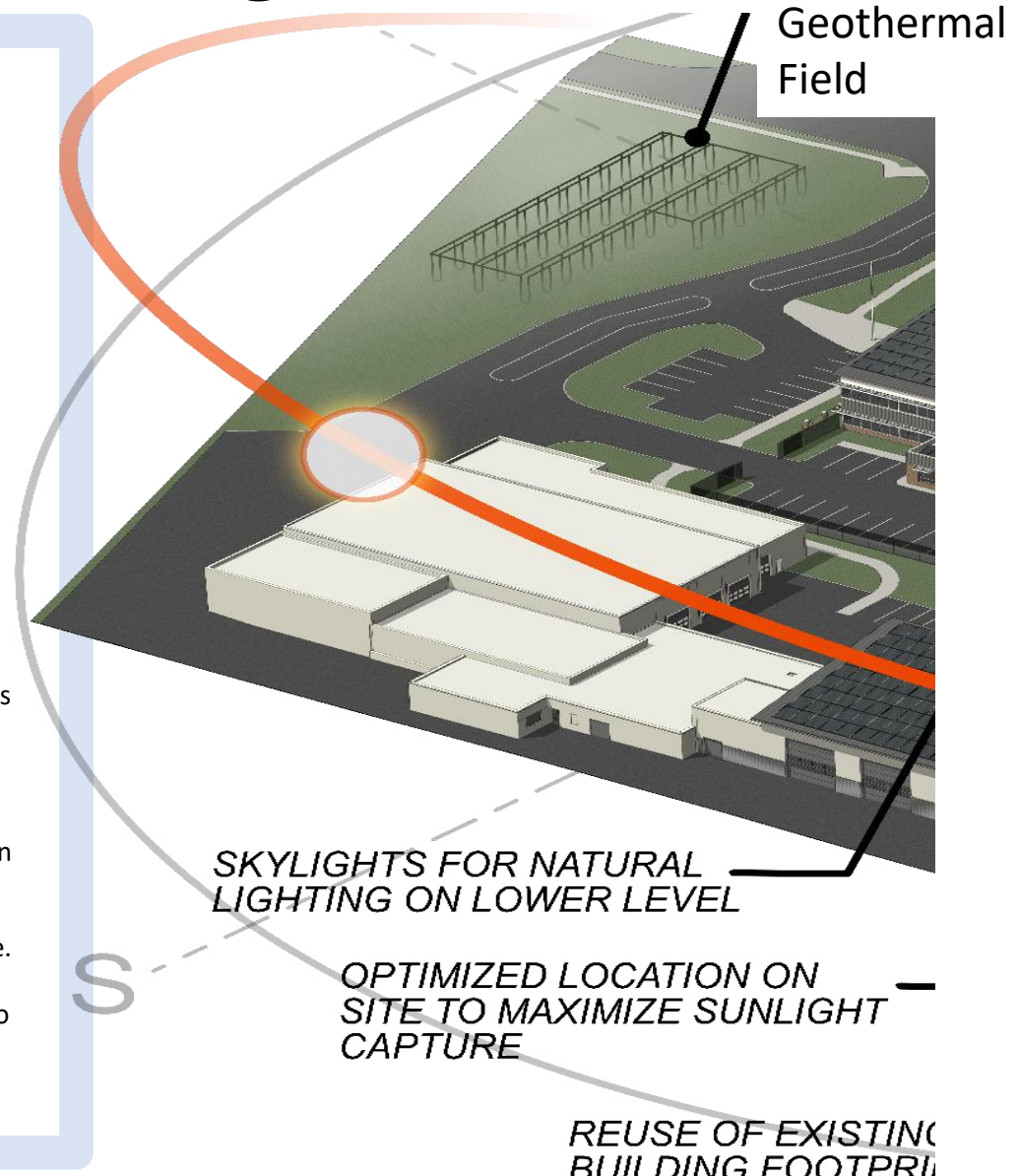
A model net zero
public facility
serving the needs
of the community

The Upper Dublin Township building was destroyed in a tornado in September 2021.

After numerous evaluations, the decision was made to rebuild a more compact, efficient, sustainable and energy efficient new building to serve the community.

The energy efficiency priorities and Net Zero design solution:

- The Board of Commissioners resolution for 100% renewable electricity and energy efficiency.
- Incorporate solar on roofs by utilizing systems constructed for the building and parking.
- Use a geothermal closed loop system to deliver heating and cooling and avoid carbon emissions.
- Efficient building design utilizing the optimal orientation for daylighting and heating and cooling.
- Design building footprint to reduce roof area.
- Create an efficient thermal envelope for the building.
- High-Efficiency insulated glazing with Low-E and Argon and exterior sun shades to reflect solar heat gain.
- Utilize existing site features and reduce impervious cover.
- Divert the building demolition from the landfill with recycling and construction waste management.
- Place building primarily on existing footprint to reduce additional disturbance.
- All energy generated on site, no utility purchase for electricity gas or fuel oil to heat or cool the building.
- EV charging stations for electric vehicles.



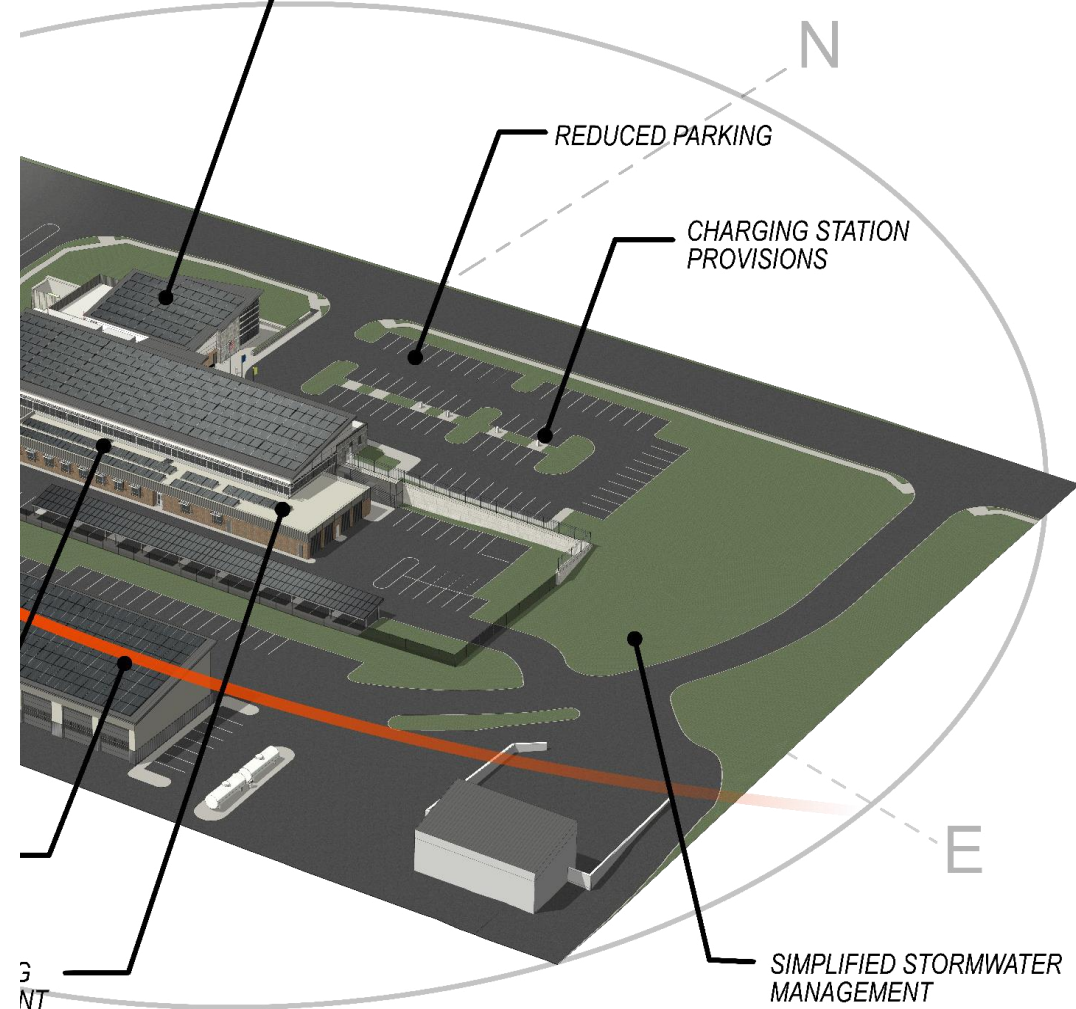
OTHERMAL FIELD

SOLAR PANEL ARRAYS

REDUCED PARKING

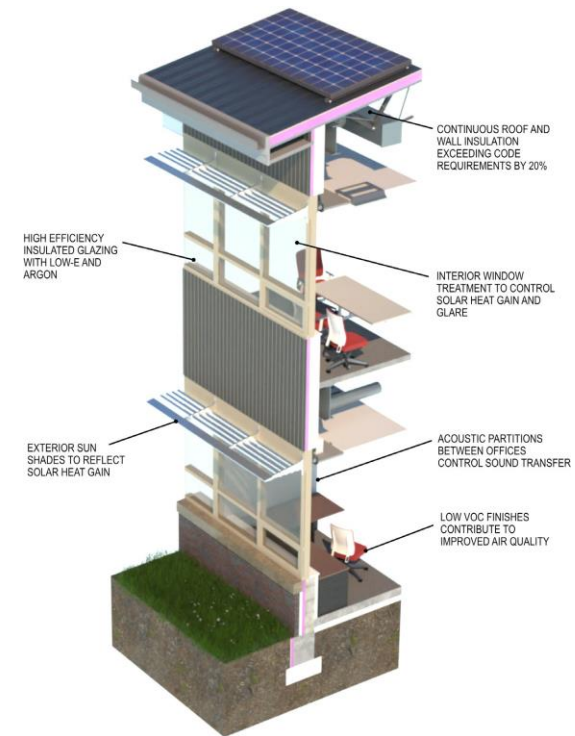
CHARGING STATION PROVISIONS

SIMPLIFIED STORMWATER MANAGEMENT



3
NT





Location & Transportation

- Facilities to encourage pedestrian and biker activity
- Reduced parking footprint
- EV charging stations

Sustainable Site

- Fixtures chosen to reduce light pollution
- Reduced runoff and restoration of natural hydrology

Water Efficiency

- Low flow fixtures (reduced consumption by 26%)
- Native plantings (no irrigation)

Energy & Atmosphere

- Energy production equals energy consumption
- Exceeds LEED Energy and Atmosphere minimum energy performance
- Highest achievable energy savings performance per LEED/ASHRAE standard 90.1 energy modeling
- Utilizing no fossil fuels, no GHG emissions

Indoor Environment Quality

- No smoking site policy
- Low-emitting materials
- MERV 13 filters and materials that promote IAQ
- Lighting controls for adjustability based on tasks
- Exterior sun shades and interior window treatments
- Acoustic performance for occupant comfort

Innovations in Design

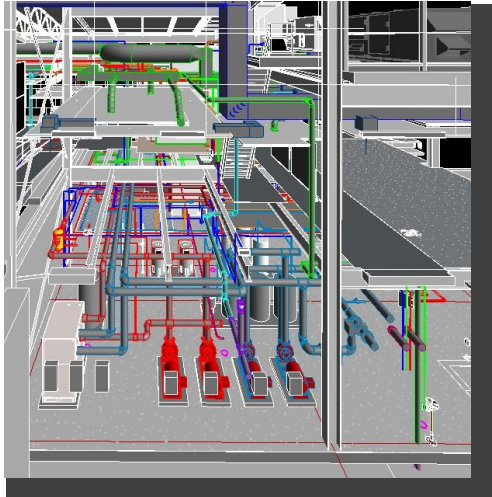
- Community education on green principals



Integrated Technical Solutions for a net zero building:

Annual Energy Use	
HVAC	-213,114 kwh
Lights	-146,763 kwh
Electrical Equipment	-279,500 kwh
	-657,377 kwh
Annual On-Site Energy Production	
Main Building Roof	+348,324 kwh
Public Works Building	+140,865 kwh
Police Building	+56,377 kwh
Police Canopy	+115,255 kwh
	+660,821 kwh

+ 3,400 kwh



Energy Plant Model
Upper Dublin Township

ENERGY STAR® Statement of Energy Design Intent (SEDI)¹
Upper Dublin Township/Police Building

LEARN MORE AT energystar.gov

86

ENERGY STAR®
Design Score²

Primary Property Type: Police Station
Gross Floor Area (ft²): 39,981
Estimated Date of Certification of Occupancy: _____
Date Generated: February 15, 2024



NET ENERGY:
+3,400 KWH

Energy Star Rating:
86

Zero GHG
Heat Recovery
REDUCE CARBON EMISSIONS
High Efficiency Lighting
Building Automation Controls
WASTE MANAGEMENT
Civic & Public Services
NETZERO
CLEAN Energy
SUSTAINABLE
Renewable Electricity
Geothermal
Community
Solar
INTEGRATED SOLUTIONS
High R-Value Building Envelope





Melissa Laffen
Upper Dublin EPAB

Upper Dublin Township
Renewable Energy Transition Plan

mjlaffen@gmail.com



**Dalton McMaster
Upper Dublin High School
Project-Based Learning Activities**

24dmcmaster@stu.udsd.org

Making an Impact



Reducing our Impact





Laina Stricker
Upper Dublin EPAB

Upper Dublin Township
Litter Patrol

Elasfarilaina@gmail.com

UD Litter Patrol Group

- Partnered with UD Parks & Recreation
 - U.D. CARES
- Established a group of 8 residents
- Assigned township watch by region
- Coordinated litter events with UD Parks & Recreation
- Since September 2023 Litter Patrol and UD Parks & Rec. has
 - Organized 6 clean up events
 - Removed approximately 75 bags of trash
- Continue collaboration
 - Organize additional clean ups
 - Explore litter prevention initiatives



Resources

- **Keep PA Beautiful**

<https://www.keppabeautiful.org/>

- **PennDOT:**

<https://www.penndot.pa.gov/about-us/RoadsideBeautification/pages/adopt-a-highway.aspx>

*Locate your county office

- **Litter Lifters of West Vincent:**

<https://westvincenttp.org/litter-lifters-of-west-vincent/>*

• Beth Intoccia

- **OneBeautifulPlanet.org***

*Bucks County resident



**Derek Dureka/Colleen Kenny
Upper Dublin Park & Rec**

**Twining Park / Tornado Recovery /
Tree Grant Program /
Open Space Plan**

ddureka@upperdublin.net

ckenny@upperdublin.net

Tree Planting Grant



Tornado Recovery



Volunteer with UD C.A.R.E.S.!

- Tree patrol
- Litter cleanups, tree planting, invasive removal

Contact ckenny@upperdublin.net or visit UD C.A.R.E.S. webpage:



TWINING VALLEY PARK

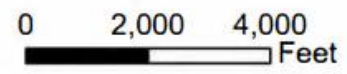
Map & Trail Distances



Existing and Proposed Pedestrian and Bike Infrastructure

Upper Dublin Township
Montgomery County, PA

- Fire Station
- Passenger Rail Stations
- Upper Dublin Library
- Upper Dublin Township Building
- Schools
- Passenger Rail
- Trails
- Upper Dublin Township Parks & Open Space
- Proposed Pedestrian Crossing
- Proposed Sidewalk
- Proposed Trail
- Proposed Bike Lane
- Proposed Tunnel
- Completed
- Existing Sidewalk and Pathway
- Montgomery County Streams
- Wissahickon Trail Preserved Land
- Upper Dublin Township Boundary
- State Roads, PA Turnpike & US Routes
- County, Municipal, & Private Roads

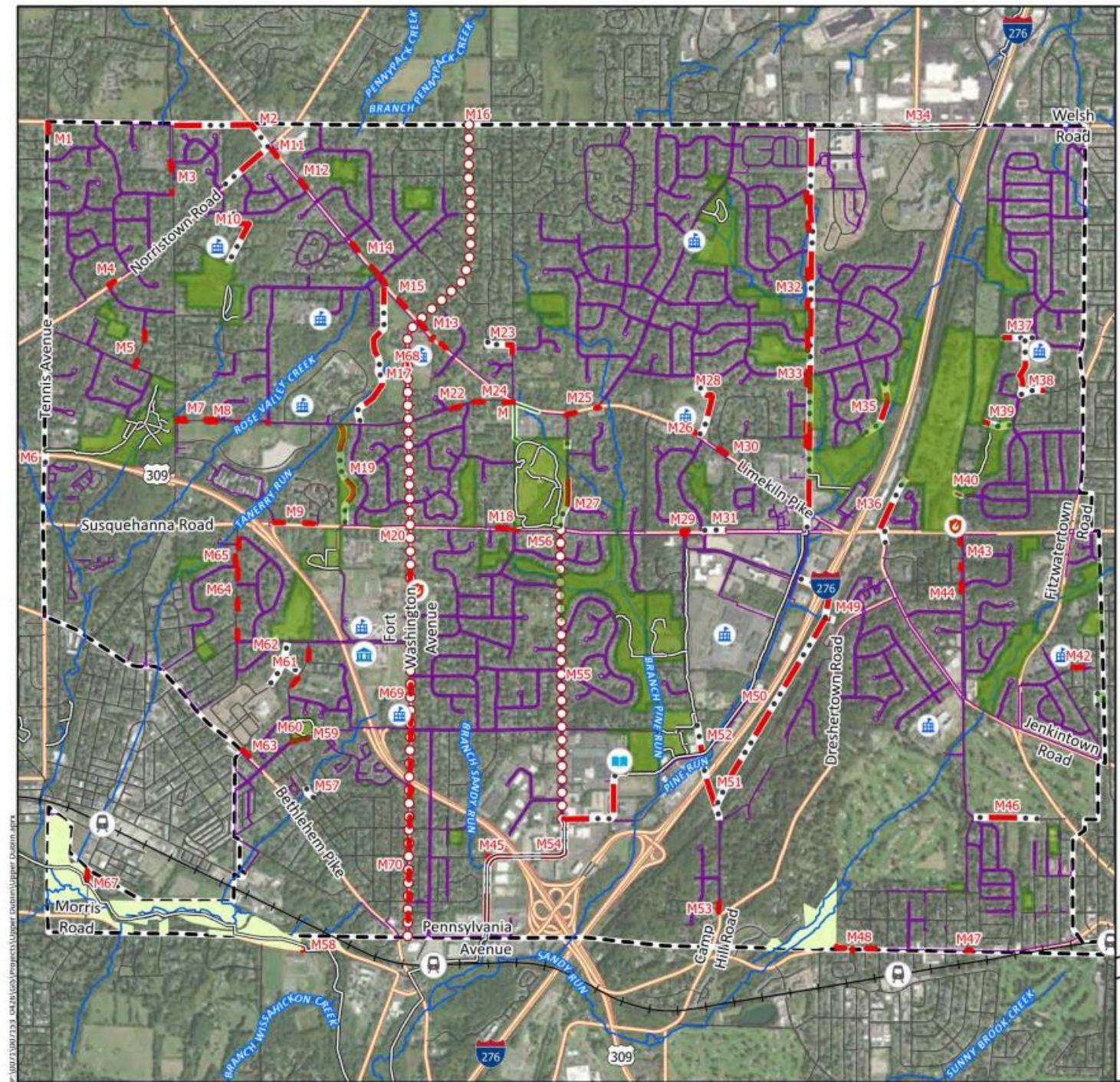


Mapping derived from data provided by ESRI, PennDOT, and USGS.

9/6/2023 | PM: TJS | GIS: RBG | QA: KCM | R007153.0426



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CERTIFIED
**WHITPAIN TOWNSHIP
SUSTAINABLE PROPERTY**



CONTACT: WHITPAINEAC@GMAIL.COM

Environmental Open House
March 9, 2024

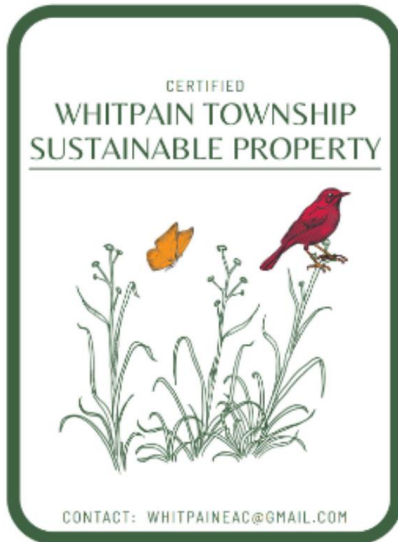
**Whitpain Township
Environmental Advisory Council
(EAC)**

Sustainable Property Program

Paul Driscoll, member
Email: pdriscoll1865@gmail.com

SUSTAINABLE PROPERTY PROGRAM

WHITPAIN TOWNSHIP EAC



PUBLIC
WORKSHOPS



EDUCATIONAL
SPEAKERS

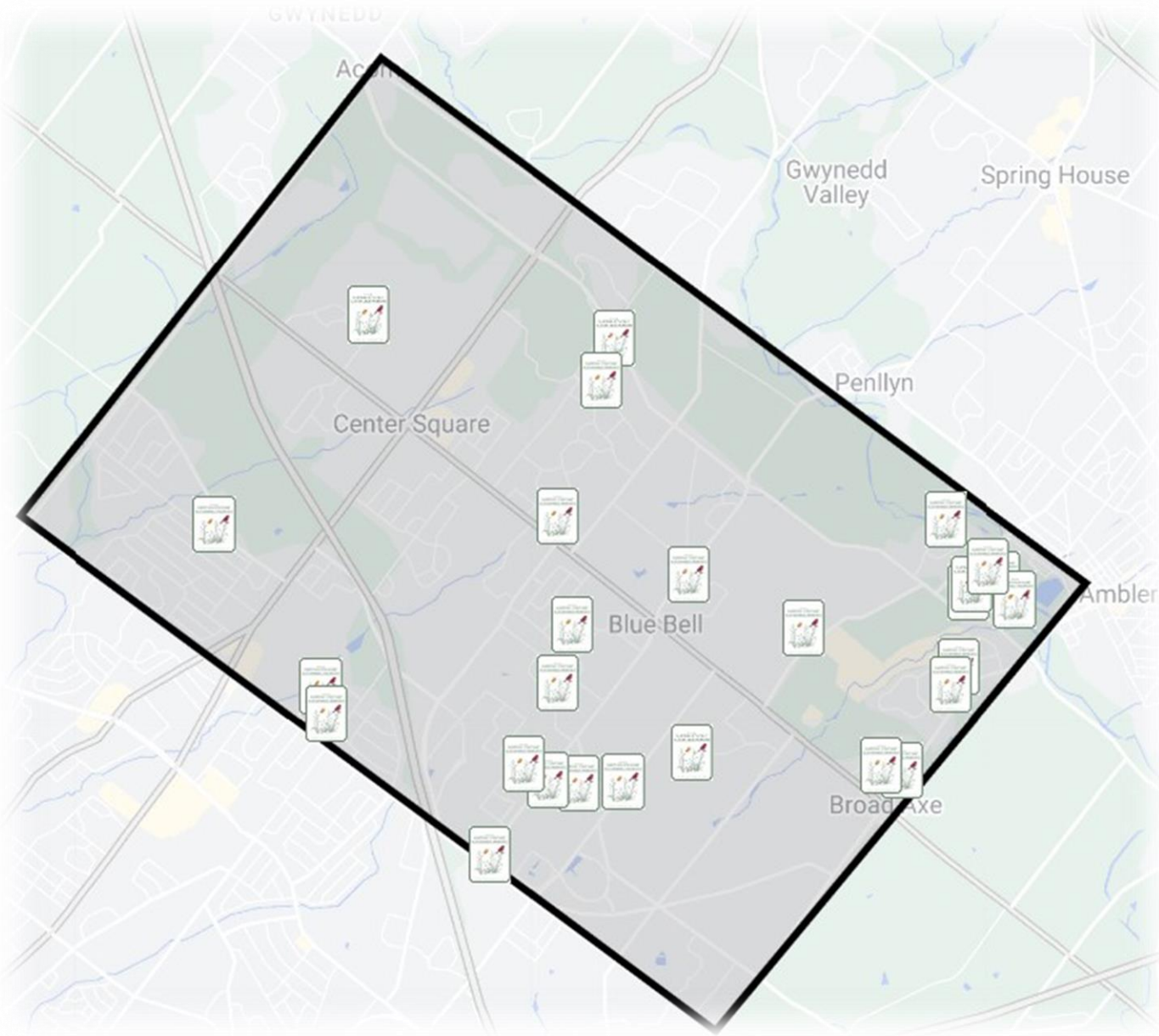
EDUCATIONAL INFORMATION
AND TIPS FOR EACH KEY AREA
AVAILABLE ON WEBSITE:



APPLICATION
ALSO AVAILABLE
AT QR CODE

Program Details:

- Mission
- Components
- Focus Areas
- Outdoor Public Workshops
- Progress To Date



Thank You.

For more info, please email:
WhitpainEAC@gmail.com



Eric Lindhult
Upper Moreland-Hatboro
Joint Sewer Authority

- **Sewer Etiquette**



Eric Lindhult

Upper Dublin EPAB

- **Thanks to speakers**
- **Please visit organizations in the lobby and sign up**