



**BOARD OF COMMISSIONERS AGENDA
WORKSHOP MEETING
MONDAY, SEPTEMBER 8, 2025, 7:00 PM**

**ZOOM MEETING ID: 853 4669862
MEETING PASSCODE: TOWNSHIP**

LINK TO LIVE BROADCAST: <https://us02web.zoom.us/j/8534669862>

PUBLIC COMMENT: Residents who plan to attend the meeting in person are encouraged to comment on agenda items or bring new business to the attention of the Board of Commissioners at the beginning of the meeting.

Residents who will be attending remotely are encouraged to submit their comments or questions to the Township Manager prior to the close of the business day on the date of the meeting using the link below:

[SUBMIT PUBLIC COMMENT](#)

1. **Willow Grove Avenue Parking Restrictions** – consider ending the existing Parking Prohibited zone on the south side of Willow Grove Avenue by an additional 51 feet in an easterly direction from Flourtown Avenue
2. **Township Manager's Report** – discuss operational issues as outlined in the Monthly Report
3. **September Bill Listing** – review and approve the monthly bill listing and check reconciliation of the previous month
4. **2026 Budget** – announce the tentative meeting schedule through the adoption of the 2026 Budget
5. **Resolution No. 1673 – Actuarial Assumed Rate of Return** – a resolution reducing the actuarial assumed rate of return for investments for the salaried defined benefit pension plan
6. **Resolution No. 1674 - Municipal Pension Fund MMO's** – review and consider adopting the 2026 pension fund obligations
7. **Professional Fees** – consider the request of the Township Engineer to increase the hourly rates for four positions effective January 1, 2026
8. **Township Auditor** – review an engagement letter from Bee, Bergvall & Co., Township Auditors, and consider appointment
9. **Zoning Hearing Board Agenda** - announce the agenda of any special or regular meetings of the Zoning Hearing Board

10. **Parks and Recreation Advisory Committee** – interview two candidates to fill a vacancy as a student-representative of the parks and recreation advisory committee
11. **Recreation Center Master Plan** – review three schematic design options utilizing pre-engineered building construction
12. **Recycling Report** – review the monthly recycling activities
13. **Municipal Campus Solar Photovoltaic Project** – review and consider awarding a contract for the installation of solar panels at the police/administration and public works buildings
14. **Flourtown Country Club** – authorize the terms of a three-year extension to the lease for the Flourtown Country Club
15. **Community Day** – announce the annual Community Day celebration to be held on Sunday, October 5 at Cisco Park

Michael Taylor
Township Manager

MT:jld
9/3/25

NOTE: AGENDA ITEMS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE!

ANY INDIVIDUAL WITH A DISABILITY WISHING TO ATTEND THE ABOVE SCHEDULED MEETING AND REQUIRING AN AUXILIARY AID, SERVICE OR OTHER ACCOMMODATION TO PARTICIPATE IN THE PROCEEDINGS, PLEASE CONTACT THE OFFICE OF THE TOWNSHIP MANAGER AT 215-836-7600, 72 HOURS PRIOR TO THE MEETING.

To access the live broadcast of the meeting via zoom, residents can watch:

- VIA WEB BROWSER: Copy and paste this link into your web browser: <https://us02web.zoom.us/j/85346691862>; type in the passcode: TOWNSHIP, when prompted.
- VIA ZOOM APP: if you have the Zoom App on your smartphone, tablet, or computer, open the program, click join a meeting, and enter the Meeting ID: 853 4669 1862; type in the passcode: TOWNSHIP, when prompted.
- VIA CALL-IN: Dial +1 646 558 8656 and enter the Meeting ID: 853 4669 1862; type in the passcode: TOWNSHIP, when prompted.



**BOARD OF COMMISSIONERS
PROPOSED AGENDA - BUSINESS MEETING
WEDNESDAY, SEPTEMBER 10, 2025, 7:30 PM**

**ZOOM MEETING ID: [838 1802 1602](#)
[MEETING PASSCODE: TOWNSHIP](#)**

LINK TO LIVE BROADCAST: <https://us02web.zoom.us/j/83818021602>

PUBLIC COMMENT: Residents who plan to attend the meeting in person are encouraged to comment on agenda items or bring new business to the attention of the Board of Commissioners at the beginning of the meeting.

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[SUBMIT PUBLIC COMMENT](#)

1. **September Bill Listing** – review and approve the monthly bill listing and check reconciliation of the previous month
2. **2026 Budget** – announce the tentative meeting schedule through the adoption of the 2026 Budget
3. **Resolution No. 1674 - Municipal Pension Fund MMO's** – review and consider adopting the 2026 pension fund obligations
4. **Zoning Hearing Board Agenda** - announce the agenda of any special or regular meetings of the Zoning Hearing Board
5. **Recycling Report** – review the monthly recycling activities
6. **Community Day** – announce the annual Community Day celebration to be held on Sunday, October 5 at Cisco Park

Michael Taylor
Township Manager

MT:jld
9/3/25

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- VIA ZOOM APP: if you have the Zoom App on your smartphone, tablet, or computer, open the program, click join a meeting, and enter the Meeting ID: 838 1802 1602; type in the passcode: TOWNSHIP, when prompted.
- VIA CALL-IN: Dial +1 646 558 8656 and enter the Meeting ID: 838 1802 1602; type in the passcode: TOWNSHIP, when prompted.



Sight Obstruction - 800 Willow Grove Avenue

Springfield Township

BILL LISTING

September 4, 2025

GENERAL FUND

PRE-PAID	-
CURRENT 9/4/2025	309,291.37
ADDENDUM	-
TOTAL - GENERAL FUND	309,291.37

CAPITAL RESERVE

PRE-PAID	-
CURRENT 9/4/2025	65,961.08
ADDENDUM	-
TOTAL - CAPITAL RESERVE	65,961.08

HIGHWAY AID

PRE-PAID	-
CURRENT 9/4/2025	11,872.07
ADDENDUM	-
TOTAL - HIGHWAY AID	11,872.07

RECYCLING

CURRENT	-
ADDENDUM	-
TOTAL - RECYCLING	-

TOTAL BILLS TO BE APPROVED	387,124.52
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GENERAL FUND
Bill Listing

August 14 through September 4, 2025

	Type	Date	Num	Memo	Account	Amount
21st CENTURY MEDIA						
Total 21st CENTURY MEDIA						
AQUA PA						
	Bill	08/27/2025	2744779	ZHB Notice	400-210 . ADVERT.&PRINTING	394.00
						394.00
	Bill	09/03/2025	0037208 082825	BHI 1432 Beth Pike August 2025	402-110 . UTILITY EXPENSES	274.15
	Bill	09/03/2025	0356819 082825	707 E Hartwell August 2025	451-420 . MAINT & REPAIR	22.40
	Bill	09/03/2025	0035652 082925	Pistol Range August 2025	402-110 . UTILITY EXPENSES	166.05
	Bill	09/03/2025	1402383 082825	1200 E Willow Grove August 2025	451-420 . MAINT & REPAIR	65.30
	Bill	09/03/2025	1402384 082825	1200 E Willow Grove August 2025	451-420 . MAINT & REPAIR	868.73
	Bill	09/03/2025	0035672 082725	100 Allison Road August 2025	451-420 . MAINT & REPAIR	24.09
	Bill	09/03/2025	1425062 082825	1510 Paper Mill - Fire August 2025	402-110 . UTILITY EXPENSES	118.17
	Bill	09/03/2025	1425061 082825	1510 Paper Mill August 2025	402-110 . UTILITY EXPENSES	168.05
	Bill	09/03/2025	1425060 082825	8900 Hawthorne - Fire August 2025	440-110 . UTILITY EXPENSES	118.17
	Bill	09/03/2025	1425059 082825	8900 Hawthorne Ln August 2025	440-110 . UTILITY EXPENSES	201.85
	Bill	09/03/2025	1425058 082825	1600 Paper Mill - Fire August 2025	402-110 . UTILITY EXPENSES	118.17
	Bill	09/03/2025	1425055 082825	1600 Paper Mill Augusts 2025	402-110 . UTILITY EXPENSES	322.75
	Bill	09/03/2025	0035701 082825	201 Montgomery August 2025	451-420 . MAINT & REPAIR	24.09
						2,491.97
Total AQUA PA						
BAKER & TAYLOR						
	Bill	08/26/2025	5019636468	21 Books	440-150 . BOOKS AND MATERIALS	362.88
	Bill	08/26/2025	5019637203	20 Books	440-150 . BOOKS AND MATERIALS	351.98
	Bill	08/26/2025	5019630160	47 Books	440-150 . BOOKS AND MATERIALS	886.06
	Bill	09/03/2025	5019644642	23 Books	440-150 . BOOKS AND MATERIALS	430.54
						2,031.46
Total BAKER & TAYLOR						
BERGEY'S INC						
	Bill	09/03/2025	TK747310R	Tires	424-500 . VEHICLE EXPENSES	1,301.98
						1,301.98
Total BERGEY'S INC						
BOOK PAGE						
	Bill	08/28/2025	S86080	Subscription August 2025 to July 2026	440-150 . BOOKS AND MATERIALS	756.00
						756.00
Total BOOK PAGE						
BRYAN STUCKERT PLUMBING INC						
	Bill	09/03/2025	22199-50419	Plumbing Repair	451-420 . MAINT & REPAIR	165.00
						165.00
Total BRYAN STUCKERT PLUMBING INC						

GENERAL FUND

Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
BUCKS CO WATER & SEWER					
Bill	08/26/2025	5055124-01 081525	1502 Paper Mill Road - August 2025 Sewer Invo	402-110 . UTILITY EXPENSES	18.49
Bill	08/26/2025	5057786-00 081525	Rec Hall 1200 Willow Grove - August 2025 Sew	451-425. REC HALL	26.27
Bill	08/26/2025	5057039-00 081525	1725 Walnut - August 2025 Sewer Invoice	402-110 . UTILITY EXPENSES	28.90
Bill	08/26/2025	5050678-00 081525	BHL - August 2025 Sewer Invoice	402-110 . UTILITY EXPENSES	94.35
Total BUCKS CO WATER & SEWER					168.01
CLARKE PRINTING					
Bill	09/03/2025	10780	Signs	430-200 . GENERAL EXPENSES	757.47
Total CLARKE PRINTING					757.47
COLLIFLOWER INC					
Bill	09/03/2025	02741193	Brass Split/Plastic Tubing	430-500 . VEHICLE EXPENSES	21.76
Total COLLIFLOWER INC					21.76
COLROM LLC					
Bill	08/27/2025	#16-SPRING	Mini Soccer Shots - 8 registrants	450-071 . SOCCER CAMP	864.00
Bill	08/27/2025	#16-SPRING	Classic Soccer Shots - 15 registrants	450-071 . SOCCER CAMP	1,620.00
Bill	08/27/2025	#16-SPRING	Premier Soccer Shots - 9 registrants	450-071 . SOCCER CAMP	972.00
Total COLROM LLC					3,456.00
COMCAST					
Bill	08/26/2025	0135290 081525	Xfinity Subscription 08/20/2025 - 09/19/2025	440-400 . MAIN. & REPAIRS	10.51
Bill	08/26/2025	0133535 081725	Internet Service at Range 8/22/2025 - 9/21/2025	410-308 . COMMUNICATIONS	173.05
Bill	08/26/2025	0119021 081425	Xfinity Service 8/21/2025 - 9/20/2025	410-300 . COMMUNICATIONS COFP	43.85
Bill	08/26/2025	0119021 081425	Xfinity Service 8/21/2025 - 9/20/2025	400-300 . COMMUNICATION	43.86
Total COMCAST					271.27
Cynthia Wood					
Bill	08/26/2025	2025-025	Kindergarten Transition Camp - 20 Registrants	450-074 . DISTRICT CAMPS	2,000.00
Total Cynthia Wood					2,000.00
DENNEY ELECTRIC SUPPLY					
Bill	08/26/2025	S102460354.001	Electrical Supplies	402-400 . MAINTENANCE REPAIRS	119.77
Bill	08/26/2025	S102460354.001	Electrical Supplies	402-400 . MAINTENANCE REPAIRS	-15.00
Total DENNEY ELECTRIC SUPPLY					104.77
DIANE KRAJNIKOVICH					
Bill	08/26/2025	000055	22 Ful day/24 Half Day	450-181 . CREATIVE ARTS	11,200.00
Total DIANE KRAJNIKOVICH					11,200.00

GENERAL FUND

Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
DUDA ACTUARIAL CONSULTING INC					
Bill	08/26/2025	051220606	2026 MM/O - DC Plan	470-081 . HOURLY PENSION EXP	750.00
Total DUDA ACTUARIAL CONSULTING INC					750.00
DVHIT					
Bill	08/26/2025	29862	September 2025 Employee Health Insurance Pr:470-040 . MEDICAL INSURANCE		163,870.46
Total DVHIT					163,870.46
FEDERAL EXPRESS CORP					
Bill	09/03/2025	8-976-88637	Library of Congress	440-150 . BOOKS AND MATERIALS	46.40
Total FEDERAL EXPRESS CORP					46.40
FLOURTOWN SUNOCO					
Bill	09/03/2025	24842	Transport Wheel Loader	424-500 . VEHICLE EXPENSES	545.00
Bill	09/03/2025	47557	Replace Emissions Sticker	410-500 . VEHICLE EXPENSE	12.00
Bill	09/03/2025	47504	Emissions Inspection	410-500 . VEHICLE EXPENSE	37.40
Total FLOURTOWN SUNOCO					594.40
FMP					
Bill	09/03/2025	201-700486	Oil Dry	430-500 . VEHICLE EXPENSES	338.10
Bill	09/03/2025	201-700486	Oil Dry	410-500 . VEHICLE EXPENSE	338.10
Bill	09/03/2025	201-699121	Black Cable Ties	430-500 . VEHICLE EXPENSES	133.00
Bill	09/03/2025	201-699119	Black Cable Ties	430-100 . MAT & SUPPLIES	80.70
Bill	09/03/2025	201-698014	Heated Oxygen	430-500 . VEHICLE EXPENSES	111.40
Bill	09/03/2025	201-697251	Marker Lamp	430-500 . VEHICLE EXPENSES	24.56
Bill	09/03/2025	201-696797	Washer Fluid Pump	430-500 . VEHICLE EXPENSES	21.73
Bill	09/03/2025	140-3364172	V Belt	430-500 . VEHICLE EXPENSES	65.32
Bill	09/03/2025	201-696057	Break Pads/Front & Back	430-500 . VEHICLE EXPENSES	679.30
Bill	09/03/2025	201-6944226	Oil Filters	430-500 . VEHICLE EXPENSES	201.78
Bill	09/03/2025	201-6944226	Oil Filters	410-500 . VEHICLE EXPENSE	201.78
Bill	09/03/2025	201-686284	Starter	430-500 . VEHICLE EXPENSES	132.91
Bill	09/04/2025	333-029990	Parts	430-500 . VEHICLE EXPENSES	42.18
Credit	09/03/2025	201-701919	Credit Memo	430-500 . VEHICLE EXPENSES	-28.38
Credit	09/03/2025	201-701919	Credit Memo	410-500 . VEHICLE EXPENSE	-28.38
Total FMP					2,314.10

GENERAL FUND Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
Fox Rothschild LLP					
Bill	08/26/2025	3681730	TCCA Environmental Attorney	400-291 . LEGAL EXPENSES	1,500.00
Total Fox Rothschild LLP					1,500.00
FREIGHTLINER OF PHILADELPHIA					
Bill	09/03/2025	835331PP	Belt tensioner/Serpentine Belt	424-500 . VEHICLE EXPENSES	232.87
Total FREIGHTLINER OF PHILADELPHIA					232.87
GALE/CENGAGE					
Bill	08/26/2025	999100777301	5 Books	440-150 . BOOKS AND MATERIALS	146.20
Bill	08/26/2025	999100782698	2 Books	440-150 . BOOKS AND MATERIALS	59.23
Bill	08/26/2025	999100792298	5 Books	440-150 . BOOKS AND MATERIALS	131.20
Bill	08/26/2025	999100789188	2 books	440-150 . BOOKS AND MATERIALS	52.48
Bill	08/26/2025	999100810636	1 Books	440-150 . BOOKS AND MATERIALS	27.74
Bill	08/26/2025	999100789189	4 Books	440-150 . BOOKS AND MATERIALS	116.21
Bill	09/03/2025	999100911417	3 Books	440-150 . BOOKS AND MATERIALS	76.47
Bill	09/03/2025	999100882452	2 Books	440-150 . BOOKS AND MATERIALS	52.48
Total GALE/CENGAGE					662.01
GEORGE ALLEN PORTABLE TOILETS					
Bill	08/26/2025	1240997	Portable Toilet Rental Handi-Cap Sandy Run	451-420 . MAINT & REPAIR	120.00
Bill	08/26/2025	1240998	Portable Toilet Rental Handi-Cap McKelvie Parl	451-420 . MAINT & REPAIR	120.00
Bill	08/26/2025	1240996	Portable Toilet Rental Handi-Cap Laurel Beech	451-420 . MAINT & REPAIR	120.00
Bill	08/26/2025	1240995	Portable Toilet Rental Handi-Cap Cisco Park	451-420 . MAINT & REPAIR	120.00
Bill	08/26/2025	1240994	Portable Toilet Rental Handi-Cap Bysheer Park	451-420 . MAINT & REPAIR	120.00
Total GEORGE ALLEN PORTABLE TOILETS					600.00
GEOVENTURES PROGRAMMING & SERVICES					
Bill	08/28/2025	Critter Rescuers	Critter Rescuers - 33 Participants	450-187 . SCIENCE CAMP	8,580.00
Total GEOVENTURES PROGRAMMING & SERVICES					8,580.00
GLASS DOCTOR AUTO OF FT WASHINGTON					
Bill	09/03/2025	4960122	Windshield	410-500 . VEHICLE EXPENSE	395.00
Total GLASS DOCTOR AUTO OF FT WASHINGTON					395.00
GROFF TRACTOR & EQUIPMENT					
Bill	09/03/2025	SWO242172	Repair Main Valve Body Leak on H-17	424-500 . VEHICLE EXPENSES	11,295.34
Total GROFF TRACTOR & EQUIPMENT					11,295.34

GENERAL FUND

Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
INTERCON TRUCK EQUIPMENT					
Bill	09/03/2025	1115458-IN	Self Closer	430-500 . VEHICLE EXPENSES	67.87
Total INTERCON TRUCK EQUIPMENT					67.87
INTERSTATE BATTERY					
Bill	09/03/2025	181151693	Battery	410-500 . VEHICLE EXPENSE	223.47
Bill	09/03/2025	181151479	Battery	430-500 . VEHICLE EXPENSES	148.27
Bill	09/03/2025	181151263	Battery	430-500 . VEHICLE EXPENSES	59.17
Total INTERSTATE BATTERY					430.91
JULIETTE ANDREWS					
Bill	08/26/2025	2024-024	Kindergarten Transition Camp - 40 Participants	450-074 . DISTRICT CAMPS	2,000.00
Total JULIETTE ANDREWS					2,000.00
KAYLEE NEMETZ					
Bill	08/27/2025	2025-023	Kindergarten Transition Camp - 40 Registrants	450-074 . DISTRICT CAMPS	2,000.00
Total KAYLEE NEMETZ					2,000.00
KEYSTONE DIGITAL IMAGING					
Bill	08/26/2025	1441552	Contract Coverage 7/15/2025 - 8/14/2025	400-230 . OFFICE EQUIP RENTAL	671.61
Total KEYSTONE DIGITAL IMAGING					671.61
KEYSTONE MUNICIPAL SERVICES INC					
Bill	08/26/2025	39485	BI/PR 8/4 - 8/15/25	416-300 . BUILDING INSPECTIONS	5,100.00
Total KEYSTONE MUNICIPAL SERVICES INC					5,100.00
KIMBERLY A BURSNER					
Bill	08/26/2025	Z082525	ZHB Appearance/Reporting 8/25/2025	416-200 . GENERAL EXPENSE	370.00
Total KIMBERLY A BURSNER					370.00
KIMBERLY SCHREFFLER					
Bill	09/03/2025	2025-028	Girls Lacrosse Camp - 19 Registrants	450-191 . LACROSSE CAMP	2,137.50
Total KIMBERLY SCHREFFLER					2,137.50
LIBERTY TREE & LANDSCAPE MANAGEMENT					
Bill	09/03/2025	17719	Removal of Storm Damaged Trees at 1210 Mall	430-230 . CREEK MAINTENANCE	4,300.00
Total LIBERTY TREE & LANDSCAPE MANAGEMENT					4,300.00
LIFE INSURANCE COMPANY OF NORTH AMERICA					
Bill	09/03/2025	211527 083125	August 2025 Premium	470-030 . LIFE, ADD & LTD	1,917.56
Total LIFE INSURANCE COMPANY OF NORTH AMERICA					1,917.56

GENERAL FUND

Bill Listing

August 14 through September 4, 2025

	Type	Date	Num	Memo	Account	Amount
MAGLOCLEN INC						
Total MAGLOCLEN INC						
MC DONALD UNIFORMS	Bill	08/27/2025	13028	Membership Fee 7/1/2025 - 6/30/2025	410-202 . GEN. EXP. JI	400.00
						400.00
Total MCDONALD UNIFORMS						
MICHELLE HILL	Bill	08/28/2025	249794	Uniformas - S Hart	410-204 . GEN. EXP. - TRAFFIC	63.64
						63.64
Total MICHELLE HILL						
MIDWEST TAPE	Bill	09/03/2025	08312025	August 2025 BHI Common Area Cleaning	402-200 . GENERAL EXPENSES	280.00
						280.00
Total MIDWEST TAPE						
MUNICIPAL CAPITAL FINANCE						
Total MUNICIPAL CAPITAL FINANCE						
NATIONAL WATER SPECIALTIES	Bill	08/26/2025	297464	Payment 34 of 35	400-230 . OFFICE EQUIP RENTAL	480.98
						480.98
Total NATIONAL WATER SPECIALTIES						
OVERDRIVE INC	Bill	08/28/2025	13486	4 Backflow Preventer Inspections	451-420 . MAINT & REPAIR	375.00
	Bill	08/28/2025	13486	3 Backflow Preventer Inspections	440-400 . MAIN. & REPAIRS	300.00
	Bill	08/28/2025	13486	5 Backflow Preventer Inspections	402-400 . MAINTENANCE REPAIRS	1,175.00
						1,850.00
Total OVERDRIVE INC						
PAUL SCHMIDT	Bill	08/26/2025	2025-026	Marital Arts Session IV - June 26, 2025 - August 450-182 . FITNESS		1,657.50
						1,657.50
Total PAUL SCHMIDT						

GENERAL FUND

Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
PECO					
Bill	08/26/2025	23000 081325	BHI 2nd Floor August 2025 Electric & Gas Char	402-110 . UTILITY EXPENSES	186.53
Bill	08/26/2025	72000 081925	BHI Ste 101 August 2025 Electric Invoice	402-110 . UTILITY EXPENSES	135.53
Bill	08/28/2025	30100 082625	August 2025 Invoice Basement BHI	402-110 . UTILITY EXPENSES	38.22
Bill	08/28/2025	30100 082625	August 2025 Invoice House Meter BHI	402-110 . UTILITY EXPENSES	133.00
Bill	08/28/2025	30100 082625	August 2025 Wiss Storage	402-110 . UTILITY EXPENSES	54.76
Bill	08/28/2025	30100 082625	August 2025 1510 Paper Mill	402-110 . UTILITY EXPENSES	3,865.09
Bill	08/28/2025	30100 082625	August 2025 Invoice Pistol Range	402-110 . UTILITY EXPENSES	154.29
Bill	08/28/2025	30100 082625	August 2025 Invoice Stenton & Wiss Pump	402-110 . UTILITY EXPENSES	69.54
Bill	08/28/2025	30100 082625	August 2025 Invoice 1600 Paper Mill	402-110 . UTILITY EXPENSES	1,200.48
Bill	08/28/2025	30100 082625	August 2025 Invoice Mermaid Lane	451-420 . MAINT & REPAIR	66.92
Bill	08/28/2025	30100 082625	August 2025 Invoice Cisco Park	451-420 . MAINT & REPAIR	275.01
Bill	08/28/2025	30100 082625	August 2025 Invoice Veterans Park	451-420 . MAINT & REPAIR	42.43
Bill	08/28/2025	30100 082625	August 2025 Invoice Clement & Allison	451-420 . MAINT & REPAIR	80.47
Bill	08/28/2025	30100 082625	August 2025 Invoice Parking Light Walnut	451-420 . MAINT & REPAIR	49.44
Bill	08/28/2025	30100 082625	August 2025 Invoice 1200 Willow Grove	451-425. REC HALL	903.36
Bill	08/28/2025	30100 082625	August 2025 Invoice 1200 Willow Grove Hall	451-425. REC HALL	42.13
Bill	08/28/2025	30100 082625	August 2025 Invoice 1200 Willow Grove Rectory	451-425. REC HALL	34.42
Total PECO					7,331.62
PECO (L)					
Total PECO (L)					
PETRO CHOICE					
Total PETRO CHOICE					
Pitney Bowes Bank Inc Reserve Account					
Bill	08/27/2025	MEMO 08272025	Reserve Account Funding	400-200 . GENERAL EXPENSE	1,000.00
Total Pitney Bowes Bank Inc Reserve Account					1,000.00
RECYCLE OIL CO					
Bill	09/03/2025	77985	Wast Oil Disposal 300 gallons	430-500 . VEHICLE EXPENSES	190.00
Total RECYCLE OIL CO					190.00

GENERAL FUND Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
REORLD WASTE LLC					
Bill	08/26/2025	555307MNTLP	Waste Disposal 8/1/2025 - 8/15/2025 271.860 1424-280 . COUNTY DISPOSAL FEES		22,496.41
Total REORLD WASTE LLC					22,496.41
SAFETY KLEEN					
Bill	09/03/2025	97818909	30 Gal Parts Washer solvent/Oil & Antifreeze pit 430-500 . VEHICLE EXPENSES		528.89
Bill	09/03/2025	97818909	30 Gal Parts Washer solvent/Oil & Antifreeze pit 410-500 . VEHICLE EXPENSE		528.90
Total SAFETY KLEEN					1,057.79
SCOTT'S STUMP GRINDING LLC					
Bill	08/26/2025	2762	Stump removal - Oreland Basketball Courts 451-420 . MAINT & REPAIR		300.00
Total SCOTT'S STUMP GRINDING LLC					300.00
SHERWIN WILLIAMS CO					
Bill	09/03/2025	8114-7	Flex gun 430-100 . MAT & SUPPLIES		227.00
Total SHERWIN WILLIAMS CO					227.00
STANLEY'S OF ORELAND					
Bill	08/26/2025	A582485	Pruner 430-100 . MAT & SUPPLIES		129.99
Bill	09/03/2025	A582160	Marking Paint 430-100 . MAT & SUPPLIES		19.98
Total STANLEY'S OF ORELAND					149.97
STAPLES BUS					
Bill	08/27/2025	7006593905	Invoice #6040485756 400-200 . GENERAL EXPENSE		443.30
Bill	08/27/2025	7006593905	Invoice #6040485758 400-100 . MATERIALS&SUPPLIES		189.16
Bill	08/27/2025	7006593905	Invoice #6040485748 400-100 . MATERIALS&SUPPLIES		20.99
Bill	08/27/2025	7006593905	Invoice #6040485752 440-100 . OFFICE SUPPLIES		85.78
Bill	08/27/2025	7006593905	Invoice #6040485757 440-100 . OFFICE SUPPLIES		30.37
Total STAPLES BUS					769.60
STARR TOURS					
Bill	08/27/2025	BOOKING ID 12356-0	Washington DC Trip - 04/02/2025 450-078 . SKI TICKETS		200.00
Bill	08/27/2025	BOOKING ID 11988-0	New York, NY Trip - 12/08/2025 450-078 . SKI TICKETS		200.00
Total STARR TOURS					400.00
T C MCGEEHAN LLC					
Bill	08/26/2025	12446	Lawn Cutting - 7813 Beech Lane 416-200 . GENERAL EXPENSE		350.00
Total T C MCGEEHAN LLC					350.00

GENERAL FUND

Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
TD CARD SERVICES					
Bill	09/04/2025	AUG 2025 Taylor	BOC Meeting	400-200 . GENERAL EXPENSE	145.00
Bill	09/04/2025	AUG 2025 Taylor	BOC Meeting	400-100 . MATERIALS&SUPPLIES	17.31
Bill	09/04/2025	AUG 2025 Taylor	Flowers	400-200 . GENERAL EXPENSE	81.60
Bill	09/04/2025	AUG 2025 Pitkow	Meals	410-200 . GEN. EXP. C OF P	143.31
Bill	09/04/2025	AUG 2025 Pitkow	IDI	410-201 - GEN. EXP. - AI	76.50
Bill	09/04/2025	AUG 2025 Hammer	Emissions RECertification - Irvine	430-500 . VEHICLE EXPENSES	79.99
Bill	09/04/2025	AUG 2025 Hammer	Emissions ReCertification - Steinmetz	430-500 . VEHICLE EXPENSES	79.99
Bill	09/04/2025	AUG 2025 Hammer	2025 LTAP Roadway Mgmt Conference	430-200 . GENERAL EXPENSES	225.00
Bill	09/04/2025	AUG 2025 Hammer	2025 LTAP Conference Hotel Reservation	430-200 . GENERAL EXPENSES	109.89
Bill	09/04/2025	AUG 2025 Hammer	E-ZPass	424-200 . GENERAL EXPENSES	500.00
Bill	09/04/2025	AUG 2025 Croke	Kona Ice	450-073 . KIDZ KLUBHOUSE	576.00
Bill	09/04/2025	AUG 2025 Croke	KidzKlubhouse Supplies	450-073 . KIDZ KLUBHOUSE	189.10
Bill	09/04/2025	AUG 2025 Lloyd	Detailed Transcription	400-200 . GENERAL EXPENSE	12.00
Bill	09/04/2025	AUG 2025 Lloyd	National Night Out Kitchen Items	410-200 . GEN. EXP. C OF P	51.10
Bill	09/04/2025	AUG 2025 Lloyd	National Night Out Kitchen Items	400-200 . GENERAL EXPENSE	36.22
Bill	09/04/2025	AUG 2025 Lloyd	Video Software	400-200 . GENERAL EXPENSE	58.24
Bill	09/04/2025	AUG 2025 Lloyd	Chestnut Hill Local Subscription	440-200 . GENERAL EXPENSE	55.00
Total TD CARD SERVICES					2,436.25
THE PHILADELPHIA INQUIRER					
Bill	09/03/2025	455150 082325	5 week subscription pay through 9/20/2025	440-150 . BOOKS AND MATERIALS	130.50
Total THE PHILADELPHIA INQUIRER					130.50
TIMONEY KNOX LLP					
Bill	08/26/2025	194516	General ZHB Legal Services	416-200 . GENERAL EXPENSE	429.00
Total TIMONEY KNOX LLP					429.00
Timothy Bowen/Play-Well Teknologies					
Bill	09/03/2025	DB27421	LEGO Materials	450-187 . SCIENCE CAMP	4,200.00
Total Timothy Bowen/Play-Well Teknologies					4,200.00
TJKFCC					
Bill	09/03/2025	2025-027	Golf Camp Sessions 5 & 6 - 29 Registrants	450-180 . GOLF CLINIC	3,625.00
Total TJKFCC					3,625.00

GENERAL FUND

Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
TRAISR LLC					
Bill	08/26/2025	3765	Monthly Subscription July 2025	416-200 . GENERAL EXPENSE	450.00
Bill	08/26/2025	3765	Monthly Subscription July 2025	451-200 . GENERAL EXPENSES	450.00
Bill	08/26/2025	3765	Monthly Subscription July 2025	430-200 . GENERAL EXPENSES	450.00
Bill	08/26/2025	3765	Monthly Subscription July 2025	400-500 . VEHICLE EXPENSES	27.00
Bill	08/26/2025	3765	Monthly Subscription July 2025	410-500 . VEHICLE EXPENSE	126.00
Bill	08/26/2025	3765	Monthly Subscription July 2025	424-500 . VEHICLE EXPENSES	139.50
Bill	08/26/2025	3765	Monthly Subscription July 2025	430-500 . VEHICLE EXPENSES	157.50
Bill	08/26/2025	3765	Monthly Subscription July 2025	431-200 . GENERAL EXPENSES	200.00
Total TRAISR LLC					2,000.00
TRUCK PRO					
Bill	09/03/2025	194-0120358	Spin on Hydraulic filter	430-500 . VEHICLE EXPENSES	132.52
Bill	09/03/2025	194-0120202	spin on filter	430-500 . VEHICLE EXPENSES	52.52
Bill	09/03/2025	194-0120068	Cab Airfilter	430-500 . VEHICLE EXPENSES	75.99
Bill	09/03/2025	194-0120053	Filters	424-500 . VEHICLE EXPENSES	226.80
Bill	09/03/2025	194-0119592	Filter	430-500 . VEHICLE EXPENSES	18.05
Bill	09/03/2025	194-0119463	Break pads/drum	424-500 . VEHICLE EXPENSES	1,170.70
Bill	09/03/2025	194-0119450	Fuel Filter	424-500 . VEHICLE EXPENSES	74.74
Bill	09/03/2025	194-0119419	Filter	424-500 . VEHICLE EXPENSES	33.32
Total TRUCK PRO					1,784.64
TYLER STROYEK/UNIVERSAL RACKETS					
Bill	08/27/2025	DUTPHXKL-001	Summer Pickleball Camp	450-076 . EXPERIMENTAL PROGRAMS	1,282.50
Total TYLER STROYEK/UNIVERSAL RACKETS					1,282.50
UNITED INSPECTION AGENCY INC					
Bill	08/28/2025	166865	Electrical Inspections & PR through 8/19/2025	416-400 . ELECTRICAL INSPECTION	4,420.00
Total UNITED INSPECTION AGENCY INC					4,420.00
VECCHIONE FLEET SERVICES					
Bill	09/03/2025	78311	Tires	410-500 . VEHICLE EXPENSE	940.00
Bill	09/03/2025	78310	Tires	410-500 . VEHICLE EXPENSE	940.00
Bill	09/03/2025	78309	Tires	400-500 . VEHICLE EXPENSES	940.00
Bill	09/03/2025	78275	Flate Repair	430-500 . VEHICLE EXPENSES	65.70
Total VECCHIONE FLEET SERVICES					2,885.70

GENERAL FUND

Bill Listing

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
VERIZON					
Bill	08/26/2025	000162 081225	Rec Center Fios August 2025	451-425 . REC HALL	129.00
Bill	08/26/2025	000129 081325	1510 Papermill Fios Service	400-300 . COMMUNICATION	109.50
Bill	08/26/2025	000129 081325	1510 Papermill Fios Service	410-300 . COMMUNICATIONS COFP	109.50
Total VERIZON					348.00
VERIZON WIRELESS					
Bill	08/26/2025	6120919501	Wireless Invoice July 2025	410-308 . COMMUNICATIONS	455.14
Bill	08/26/2025	6120919501	Wireless Invoice July 2025	410-208 . COMMUNICATIONS - GEN	481.92
Bill	08/26/2025	6120919501	Wireless Invoice July 2025	400-300 . COMMUNICATION	267.73
Bill	08/26/2025	6120919501	Wireless Invoice July 2025	430-200 . GENERAL EXPENSES	133.87
Total VERIZON WIRELESS					1,338.66
W.B. MASON CO INC					
Bill	08/26/2025	256089509	Paper Towel/Bath Tissue/Soap	440-400 . MAIN. & REPAIRS	207.60
Bill	08/26/2025	256089509	Paper Towel/Bath Tissue/Soap	402-100 . MATERIAL & SUPPLIES	622.80
Total W.B. MASON CO INC					830.40
WORTH & COMPANY INC					
Bill	08/26/2025	50193	Remove and Replace Condenser Fan Motor for	440-400 . MAIN. & REPAIRS	4,425.00
Bill	09/03/2025	50607	Boiler Igniter	440-400 . MAIN. & REPAIRS	1,375.00
Total WORTH & COMPANY INC					5,800.00
XEROX IT SOLUTIONS					
Bill	08/29/2025	05107483	Adobe VIP subscription	400-200 . GENERAL EXPENSE	1,439.40
Total XEROX IT SOLUTIONS					1,439.40
ZORO TOOLS INC					
Bill	09/03/2025	INV16964808	Oil Pump	430-500 . VEHICLE EXPENSES	193.51
Bill	09/03/2025	INV17121096	Bore Inflater Gauge	430-500 . VEHICLE EXPENSES	119.69
Bill	09/03/2025	INV17076526	Tire Gauge	410-500 . VEHICLE EXPENSE	44.02
Bill	09/03/2025	INV17014279	Stricking Wrench	424-500 . VEHICLE EXPENSES	79.90
Total ZORO TOOLS INC					437.12
TOTAL					309,291.37

SPR.TWP. CAPITAL RESERVE

BILL LISTING

August 14 through September 4, 2025

Type	Date	Numb	Memo	Account	Amount
DECLAN AND JULIANNE PITONE-WATSON					
Bill	09/04/2025	MEMO 090425	Project 2024-37	200-200 . ACCOUNTS PAYABLE	-40,960.00
Total DECLAN AND JULIANNE PITONE-WATSON					-40,960.00
FERGUSON PAINTING INC					
Bill	08/28/2025	103	Project 2024-03	200-200 . ACCOUNTS PAYABLE	-3,890.00
Total FERGUSON PAINTING INC					-3,890.00
Recreation Resource USA, LLC					
Bill	09/03/2025	25-181	Repairs surface - Chiaramonte Park	200-200 . ACCOUNTS PAYABLE	-7,175.00
Total Recreation Resource USA, LLC					-7,175.00
RUCH EXCAVATION, Inc					
Bill	08/28/2025	1776	Project 2025-27	200-200 . ACCOUNTS PAYABLE	-11,200.00
Total RUCH EXCAVATION, Inc					-11,200.00
TRAFFIC PRODUCTS					
Bill	08/26/2025	2025-440	Project 2024-20	200-200 . ACCOUNTS PAYABLE	-1,879.00
Total TRAFFIC PRODUCTS					-1,879.00
ZORO TOOLS INC					
Bill	09/03/2025	INV16964808	Project 2023-19	200-200 . ACCOUNTS PAYABLE	-857.08
Total ZORO TOOLS INC					-857.08
TOTAL					-65,961.08

SPR.TWP.HWY. AID FUND

BILL LISTING

August 14 through September 4, 2025

Type	Date	Num	Memo	Account	Amount
FOLEY, Inc					
Bill	08/26/2025	INV0636297	Asphalt Roller Rental - 7/30/2025 to 8/8/2025	438-430 . EQUIPMENT RENTAL	2,604.82
Bill	08/26/2025	INV0633532	Skid Steer, Mill Head, and Roller Rental - 8/4 to 8/8	438-430 . EQUIPMENT RENTAL	3,350.18
Total FOLEY, Inc					5,955.00
HEIDELBERG MATERIALS INC					
Bill	08/26/2025	4714360	2.17 Ton Blacktop	438-100 . MATERIALS & SUPPLIES	133.85
Bill	08/26/2025	4713178	2.30 Ton Blacktop	438-100 . MATERIALS & SUPPLIES	141.86
Total HEIDELBERG MATERIALS INC					275.71
TURTLE & HUGHES, INC					
Bill	08/28/2025	6850047-00	Ornamental Street light pole and fixture for Bethle	434-100 . ST. LIGHT MAINTENANCE	4,472.65
Bill	08/28/2025	6924835-00	Light fixture	434-100 . ST. LIGHT MAINTENANCE	1,168.71
Total TURTLE & HUGHES, INC					5,641.36
TOTAL					11,872.07

**CHECK RECONCILIATION
(INCLUDING PRE-PAIDS) August 2025**

GENERAL FUND	\$771,822.60
CAPITAL RESERVE	\$146,109.96
HIGHWAY AID	\$29,989.22
RECYCLING	\$0.00
TOTAL CHECKS PAID	\$947,921.78

GENERAL FUND
Check Reconciliation
July 14 through August 14, 2025

Type	Date	Nm	Name	Amount	Balance
Bill Pmt -Check	07/14/2025	35973	PECO (L)	-96.90	-96.90
Bill Pmt -Check	07/15/2025	35974	PILOT THOMAS LOGISTICS LLC	-16,610.02	-16,706.92
Bill Pmt -Check	08/14/2025	35975	STAR PRINTING INC	-2,414.76	-19,121.68
Bill Pmt -Check	08/14/2025	35976	COMCAST	-87.71	-19,209.39
Bill Pmt -Check	08/14/2025	35977	FLOURTOWN FIRE COMPANY	-208,603.00	-227,812.39
Bill Pmt -Check	08/14/2025	35978	PECO	-153.85	-227,966.24
Bill Pmt -Check	08/14/2025	35979	VERIZON	-219.00	-228,185.24
Bill Pmt -Check	08/14/2025	35980	WISLER PEARLSTINE LLC	-14,872.50	-243,057.74
Bill Pmt -Check	08/14/2025	35981	COMCAST	-158.05	-243,215.79
Bill Pmt -Check	08/14/2025	35982	PECO	-198.99	-243,414.78
Bill Pmt -Check	08/14/2025	35983	1st DEFENSE FIRE PROTECTION	-1,562.00	-244,976.78
Bill Pmt -Check	08/14/2025	35984	21st CENTURY MEDIA	-829.46	-245,806.24
Bill Pmt -Check	08/14/2025	35985	ALLIED LANDSCAPE SUPPLY	-158.00	-245,964.24
Bill Pmt -Check	08/14/2025	35986	AMAZON CAPITAL SERVICES	-1,507.91	-247,472.15
Bill Pmt -Check	08/14/2025	35987	AQUA PA	-2,314.61	-249,786.76
Bill Pmt -Check	08/14/2025	35988	AT&T	-170.00	-249,956.76
Bill Pmt -Check	08/14/2025	35989	AXON ENTERPRISES INC	-2,121.50	-252,078.26
Bill Pmt -Check	08/14/2025	35990	B IRVINE ENTERPRISES LLC	-4,875.00	-256,953.26
Bill Pmt -Check	08/14/2025	35991	BAGSPOT OET WASTE SOLUTIONS	-679.50	-257,632.76
Bill Pmt -Check	08/14/2025	35992	BAKER & TAYLOR	-3,885.49	-261,518.25
Bill Pmt -Check	08/14/2025	35993	BERGEY'S INC	-4,359.66	-265,877.91
Bill Pmt -Check	08/14/2025	35994	BILLOWS ELECTRIC SUPPLY	-870.02	-266,747.93
Bill Pmt -Check	08/14/2025	35995	BOWMAN CONSULTING GROUP LTD	-752.50	-267,500.43
Bill Pmt -Check	08/14/2025	35996	BRAZILIAN UNITED SOCCER LLC	-2,509.50	-270,009.93
Bill Pmt -Check	08/14/2025	35997	BUCKS CO WATER & SEWER	-114.23	-270,124.16
Bill Pmt -Check	08/14/2025	35998	C & C TECHNOLOGIES	-600.00	-270,724.16
Bill Pmt -Check	08/14/2025	35999	CANDLESTICK COMMUNICATIONS	-1,500.00	-272,224.16
Bill Pmt -Check	08/14/2025	36000	CLARKE PRINTING	-195.86	-272,420.02
Bill Pmt -Check	08/14/2025	36001	COMCAST	-10.51	-272,430.53
Bill Pmt -Check	08/14/2025	36002	COMMONWEALTH OF PA	-2,500.00	-274,930.53
Bill Pmt -Check	08/14/2025	36003	COMMONWEALTH PRECAST, INC.	-630.00	-275,560.53

GENERAL FUND

Check Reconciliation

July 14 through August 14, 2025

Bill Pmt -Check	08/14/2025	36004	Cynthia Wood	-2,000.00	-277,560.53
Bill Pmt -Check	08/14/2025	36005	DAVID H LIGHTKEP	-10.75	-277,571.28
Bill Pmt -Check	08/14/2025	36006	DAVIDHEISER'S INC	-509.00	-278,080.28
Bill Pmt -Check	08/14/2025	36007	DEL VAL INTL TRUCK	-1,344.39	-279,424.67
Bill Pmt -Check	08/14/2025	36008	DEL VAL TRUCK SERVICE INC	-8,444.68	-287,869.35
Bill Pmt -Check	08/14/2025	36009	DEL VALLEY WORKERS COMP	-9,002.00	-296,871.35
Bill Pmt -Check	08/14/2025	36010	DENNEY ELECTRIC SUPPLY	-30.96	-296,902.31
Bill Pmt -Check	08/14/2025	36011	DIANE KRAJNIKOVICH	-6,400.00	-303,302.31
Bill Pmt -Check	08/14/2025	36012	DONALD FANTRY	-2,544.15	-305,846.46
Bill Pmt -Check	08/14/2025	36013	DVHIT	-163,870.46	-469,716.92
Bill Pmt -Check	08/14/2025	36014	EAGLE POINT GUN/J MORRIS & SON	-9,081.72	-478,798.64
Bill Pmt -Check	08/14/2025	36015	EDWARD GROSS	-250.00	-479,048.64
Bill Pmt -Check	08/14/2025	36016	ERIC WEINSTEIN/LIVE BALLOONS	-385.00	-479,433.64
Bill Pmt -Check	08/14/2025	36017	EVERLASTING FENCE CO	-51.03	-479,484.67
Bill Pmt -Check	08/14/2025	36018	EZ FLEX SPORTS MATS	-2,189.15	-481,673.82
Bill Pmt -Check	08/14/2025	36019	FLOURTOWN CAR WASH LLC	-336.00	-482,009.82
Bill Pmt -Check	08/14/2025	36020	FLOURTOWN FIRE COMPANY	-34.98	-482,044.80
Bill Pmt -Check	08/14/2025	36021	FLOURTOWN SUNOCO	-694.60	-482,739.40
Bill Pmt -Check	08/14/2025	36022	FMP	-170.08	-482,909.48
Bill Pmt -Check	08/14/2025	36023	G L SAYRE INC	-655.34	-483,564.82
Bill Pmt -Check	08/14/2025	36024	GALE/CENGAGE	-943.57	-484,508.39
Bill Pmt -Check	08/14/2025	36025	GEORGE ALLEN PORTABLE TOILETS	-600.00	-485,108.39
Bill Pmt -Check	08/14/2025	36026	GRAN TURK EQUIPMENT	-19,198.12	-504,306.51
Bill Pmt -Check	08/14/2025	36027	GRANITE TELECOMMUNICATIONS	-318.25	-504,624.76
Bill Pmt -Check	08/14/2025	36028	i9 Sports	-3,937.50	-508,562.26
Bill Pmt -Check	08/14/2025	36029	IMPACT FIRE SERVICES	-475.00	-509,037.26
Bill Pmt -Check	08/14/2025	36030	INTERSTATE BATTERY	-223.47	-509,260.73
Bill Pmt -Check	08/14/2025	36031	JENNIFER MCGEE	-2,000.00	-511,260.73
Bill Pmt -Check	08/14/2025	36032	JNA MATERIALS LLC	-436.50	-511,697.23
Bill Pmt -Check	08/14/2025	36033	JOHN F WALL REFRIGERATION, INC.	-458.00	-512,155.23
Bill Pmt -Check	08/14/2025	36034	JOHN J MCGETTIGAN, INC.	-310.00	-512,465.23
Bill Pmt -Check	08/14/2025	36035	JOHN KENNEDY DEALERSHIPS	-6.02	-512,471.25
Bill Pmt -Check	08/14/2025	36036	JOHN WESLEY SHEFFER IV	-2,160.00	-514,631.25

GENERAL FUND

Check Reconciliation

July 14 through August 14, 2025

Bill Pmt -Check	08/14/2025	36037	JOSEPH MCAVOY	-102.10	-514,733.35
Bill Pmt -Check	08/14/2025	36038	JUMP START STAX LLC	-10,647.00	-525,380.35
Bill Pmt -Check	08/14/2025	36039	KEYSTONE DIGITAL IMAGING	-832.40	-526,212.75
Bill Pmt -Check	08/14/2025	36040	KEYSTONE MUNICIPAL SERVICES INC	-13,387.50	-539,600.25
Bill Pmt -Check	08/14/2025	36041	KIMBERLY A BURSNER	-1,152.00	-540,752.25
Bill Pmt -Check	08/14/2025	36042	LASALLE ACADEMY	-100.00	-540,852.25
Bill Pmt -Check	08/14/2025	36043	LAW ENFORCEMENT ACCREDITATION SRVCS LLC	-13,000.00	-553,852.25
Bill Pmt -Check	08/14/2025	36044	LIBERTY TREE & LANDSCAPE MANAGEMENT	-11,660.00	-565,512.25
Bill Pmt -Check	08/14/2025	36045	LIFE INSURANCE COMPANY OF NORTH AMERICA	-1,888.87	-567,401.12
Bill Pmt -Check	08/14/2025	36046	LWC SERVICES INC.	-4,624.00	-572,025.12
Bill Pmt -Check	08/14/2025	36047	MCDONALD UNIFORMS	-750.00	-572,775.12
Bill Pmt -Check	08/14/2025	36048	MICHAEL PITKOW	-104.50	-572,879.62
Bill Pmt -Check	08/14/2025	36049	MICHELLE HILL	-280.00	-573,159.62
Bill Pmt -Check	08/14/2025	36050	MIDWEST TAPE	-195.87	-573,355.49
Bill Pmt -Check	08/14/2025	36051	MONTCO ASSOC OF TWP COMMISSIONERS	-500.00	-573,855.49
Bill Pmt -Check	08/14/2025	36052	MOTOROLA	-15,309.50	-589,164.99
Bill Pmt -Check	08/14/2025	36053	MOYERS SERVICES GROUP INC	-3,293.13	-592,458.12
Bill Pmt -Check	08/14/2025	36054	MUNICIPAL CAPITAL FINANCE	-480.98	-592,939.10
Bill Pmt -Check	08/14/2025	36055	NATALIE BONACCI/STARDUST	-16,280.00	-609,219.10
Bill Pmt -Check	08/14/2025	36056	NET CARRIER TELECOM INC	-783.34	-610,002.44
Bill Pmt -Check	08/14/2025	36057	OverDrive, Inc	-324.99	-610,327.43
Bill Pmt -Check	08/14/2025	36058	PA ONE CALL SYSTEM	-232.51	-610,559.94
Bill Pmt -Check	08/14/2025	36059	PECO	-15,088.74	-625,648.68
Bill Pmt -Check	08/14/2025	36060	PECO (L)	-48.25	-625,696.93
Bill Pmt -Check	08/14/2025	36061	PECO SL	-10,791.69	-636,488.62
Bill Pmt -Check	08/14/2025	36062	PENN TURF CO	-383.00	-636,871.62
Bill Pmt -Check	08/14/2025	36063	PETRO CHOICE	-2,022.91	-638,894.53
Bill Pmt -Check	08/14/2025	36064	PILOT THOMAS LOGISTICS LLC	-17,634.75	-656,529.28
Bill Pmt -Check	08/14/2025	36065	PITNEY BOWES INC.	-126.00	-656,655.28
Bill Pmt -Check	08/14/2025	36066	PLY MAR CONSTRUCTION	-2,730.00	-659,385.28
Bill Pmt -Check	08/14/2025	36067	PROMOWORKS	-1,590.86	-660,976.14
Bill Pmt -Check	08/14/2025	36068	RELIABLE HIGH PERFORMANCE	-3,412.08	-664,388.22
Bill Pmt -Check	08/14/2025	36069	REPUBLIC SERVICES INC	-3,966.90	-668,355.12

GENERAL FUND
Check Reconciliation
July 14 through August 14, 2025

Bill Pmt -Check	08/14/2025	36070	REWORLD WASTE LLC	-47,737.64	-716,092.76
Bill Pmt -Check	08/14/2025	36071	RITTENHOUSE LUMBER CO	-47.60	-716,140.36
Bill Pmt -Check	08/14/2025	36072	RUCH EXCAVATION INC	-2,820.00	-718,960.36
Bill Pmt -Check	08/14/2025	36073	SHERWIN WILLIAMS CO	-644.55	-719,604.91
Bill Pmt -Check	08/14/2025	36074	STANLEY'S OF ORELAND	-354.80	-719,959.71
Bill Pmt -Check	08/14/2025	36075	STAPLES BUS	-927.80	-720,887.51
Bill Pmt -Check	08/14/2025	36076	STR SOLUTIONS	-293.40	-721,180.91
Bill Pmt -Check	08/14/2025	36077	TD CARD SERVICES	-3,213.58	-724,394.49
Bill Pmt -Check	08/14/2025	36078	TESSCO TECHNOLOGIES INC	-358.50	-724,752.99
Bill Pmt -Check	08/14/2025	36079	THE PHILADELPHIA INQUIRER	-130.50	-724,883.49
Bill Pmt -Check	08/14/2025	36080	THEATRE HORIZON INC	-3,881.25	-728,764.74
Bill Pmt -Check	08/14/2025	36081	TIMONEY KNOX LLP	-1,452.00	-730,216.74
Bill Pmt -Check	08/14/2025	36082	TJKFCC	-1,875.00	-732,091.74
Bill Pmt -Check	08/14/2025	36083	TOWNSHIP PEST CONTROL CO	-650.00	-732,741.74
Bill Pmt -Check	08/14/2025	36084	TRADITIONAL SIGN CO	-145.00	-732,886.74
Bill Pmt -Check	08/14/2025	36085	TRAISR LLC	-1,800.00	-734,686.74
Bill Pmt -Check	08/14/2025	36086	TRI-STATE TAX BUREAU	-3,024.65	-737,711.39
Bill Pmt -Check	08/14/2025	36087	TRUCK PRO	-885.20	-738,596.59
Bill Pmt -Check	08/14/2025	36088	UNIFIRST CORPORATION	-404.18	-739,000.77
Bill Pmt -Check	08/14/2025	36089	UNITED INSPECTION AGENCY INC	-2,000.00	-741,000.77
Bill Pmt -Check	08/14/2025	36090	VAULT WORKFORCE SCREENING	-106.92	-741,107.69
Bill Pmt -Check	08/14/2025	36091	VECCHIONE FLEET SERVICES	-990.00	-742,097.69
Bill Pmt -Check	08/14/2025	36092	VERIZON	-129.00	-742,226.69
Bill Pmt -Check	08/14/2025	36093	VERIZON WIRELESS	-1,124.72	-743,351.41
Bill Pmt -Check	08/14/2025	36094	W B. MASON CO INC	-994.56	-744,345.97
Bill Pmt -Check	08/14/2025	36095	WEST GENERATOR SERVICES, INC.	-2,956.80	-747,302.77
Bill Pmt -Check	08/14/2025	36096	WISLER PEARLSTINE LLC	-11,530.00	-758,832.77
Bill Pmt -Check	08/14/2025	36097	WOODROW AND ASSOCIATES INC	-7,648.58	-766,481.35
Bill Pmt -Check	08/14/2025	36098	WORTH & COMPANY INC	-4,793.95	-771,275.30
Bill Pmt -Check	08/14/2025	36099	ZORO TOOLS INC	-185.31	-771,460.61
Bill Pmt -Check	08/14/2025	36100	ZORO TOOLS INC	-361.99	-771,822.60

CAPITAL RESERVE

CHECK RECONCILIATION REPORT

August 14, 2025

Type	Date	Num	Name	Amount	Balance
Bill Pmt -Check	08/14/2025	3467	PLY MAR CONSTRUCTION CO INC	-109,855.00	-109,855.00
Bill Pmt -Check	08/14/2025	3468	BL COMPANIES INC	-4,842.50	-114,697.50
Bill Pmt -Check	08/14/2025	3469	COLLIFLOWER, INC	-1,316.65	-116,014.15
Bill Pmt -Check	08/14/2025	3470	FMP	-574.86	-116,589.01
Bill Pmt -Check	08/14/2025	3471	MILITIA HILL SECURITY, INC.	-12,700.00	-129,289.01
Bill Pmt -Check	08/14/2025	3472	MKSD LLC	-10,147.50	-139,436.51
Bill Pmt -Check	08/14/2025	3473	PLY MAR CONSTRUCTION CO INC	-2,800.00	-142,236.51
Bill Pmt -Check	08/14/2025	3474	Practical Energy Solutions	-3,310.50	-145,547.01
Bill Pmt -Check	08/14/2025	3475	TD CARD SERVICES	-562.95	-146,109.96

HIGHWAY AID FUND

CHECK RECONCILIATION REPORT

July 14 through August 14, 2025

Type	Date	Num	Name	Amount	Balance
Bill Pmt -Check	07/14/2025	1410	PECO ENERGY SL	-10,791.69	-10,791.69
Bill Pmt -Check	08/14/2025	1411	FOLEY, Inc	-10,691.23	-21,482.92
Bill Pmt -Check	08/14/2025	1412	HEIDELBERG MATERIALS INC	-7,960.71	-29,443.63
Bill Pmt -Check	08/14/2025	1413	PA MUNICIPAL INC	-112.94	-29,556.57
Bill Pmt -Check	08/14/2025	1414	PECO ENERGY	-432.65	-29,989.22

RESOLUTION NO. 1673

**A RESOLUTION REDUCING THE ACTUARIAL
ASSUMED RATE OF RETURN FROM INVESTMENTS
FOR THE SALARIED DEFINED BENEFIT PENSION PLAN OF
SPRINGFIELD TOWNSHIP.**

WHEREAS, PA Act No. 205 of 1984, the Municipal Pension Plan Funding Standard and Recovery Act, established municipal pension plan actuarial reporting requirements and minimum funding standards for municipal pension plans; and

WHEREAS, the Act requires biennial actuarial valuation reports to be formulated for each municipal pension plan providing actuarial, financial and demographic data of the plans and its members; and

WHEREAS, the Act requires annual calculations of the minimum municipal obligations to properly fund the pension plans based on the current actuarial valuation report; and

WHEREAS, one of the most important economic assumptions, and most volatile factors in establishing the minimum municipal obligations to fund the plans is the assumed rate of return from investments; and

WHEREAS, the current assumed rate of return from investments for the salaried defined benefit pension plan is six and twenty-five hundredths percent (6.25%); and

WHEREAS, in years the actual rate of return from investments does not achieve the assumed rate of return, the pension plan continues to accrue an actuarial loss which must be funded; and

WHEREAS, on August 8, 2016, the Board of Commissioners created a defined contribution retirement plan for all salaried/non-represented employees hired after January 1, 2016 and as a result of this action, the number of active participants in the salaried employees defined benefit pension plan has continued to decrease; and

WHEREAS, both the pension fund actuary and the pension fund investment consultants recommend reducing the assumed rate of return from investments for the salaried defined benefit pension plan from six and twenty-five hundredths percent (6.25%) to six percent (6.0%).

NOW, THEREFORE, BE IT RESOLVED: That the Board of Commissioners of Springfield Township, Montgomery County, PA, hereby authorizes and directs the Springfield Township pension fund actuary to utilize an assumed rate of return from investments of six percent (6.0%) for the salaried defined benefit pension plan commencing with the 2026 minimum municipal obligation certification.

UNANIMOUSLY ADOPTED this 10th day of September 2025.

BOARD OF COMMISSIONERS
OF SPRINGFIELD TOWNSHIP

By: _____
James M. Lee, President

ATTEST:

A. Michael Taylor, Secretary

RESOLUTION NO. 1674

**A RESOLUTION ADOPTING THE
2026 MUNICIPAL PENSION FUND OBLIGATIONS**

WHEREAS, Act No. 205 of 1984 of the Commonwealth of Pennsylvania, known as the Municipal Pension Plan Funding Standard and Recovery Act, requires that municipalities adopt at their September meetings a budget estimate for the ensuing year of municipal costs associated with Employee Pension Plans; and

WHEREAS, Duda Actuarial Consulting, Pension Plan Consultant, has prepared and submitted actuarial funding projections for the Police, Salaried and Hourly Pension Plans outlining plan costs for each of the Township's pension plans.

NOW, THEREFORE, BE IT RESOLVED: That based upon the attached actuarial funding calculations for the Police, Salaried and Hourly Employees Pension Plans, the Board of Commissioners of Springfield Township will make the appropriate provisions in its 2026 proposed budget to cover the costs associated with funding the Police, Salaried and Hourly Employees Pension Plans for the year 2026.

ADOPTED this 10th day of September, 2025.

BOARD OF COMMISSIONERS OF
SPRINGFIELD TOWNSHIP

By: _____
James M. Lee, President

ATTEST:

A. Michael Taylor, Secretary

DUDA ACTUARIAL CONSULTING



Philadelphia Office
500 Office Center Drive
Suite 400
Fort Washington, PA 19034
Phone: 267-513-1714
Fax: 484-636-2500

Pittsburgh Office
One Oxford Centre
301 Grant Street
Suite 4300
Pittsburgh, PA 15219
Phone: 412-255-3746
Fax: 412-255-3701

August 22, 2025

Mr. Mike Taylor
Township Manager
Springfield Township
1510 Paper Mill Road
Wyndmoor, PA 19038

Dear Mike:

RE: Springfield Township Police, Salaried and Hourly Pension Plans
2026 Minimum Municipal Obligations

As requested, we have completed the calculation of the 2026 Minimum Municipal Obligations for the Springfield Township Police, Salaried and Hourly Pension Plans. These calculations are based on the January 1, 2025 Actuarial Valuation Reports and assume a 6.25% interest rate (6% for the salaried plan) and market value for the defined benefit plans. Please keep in mind that these documents must be submitted to the governing body by September 30, 2025 (although revisions may be made up to the time the budget is finalized).

Should you have any questions or require any additional information, please feel free to contact us.

Sincerely Yours,

Joseph W. Duda, FSA, FCA, EA, MAAA
President

Enclosures

**FINANCIAL REQUIREMENT AND MINIMUM MUNICIPAL OBLIGATION
BUDGET FOR 2026 (MARKET VALUE)**

NAME OF MUNICIPALITY: SPRINGFIELD TOWNSHIP

COUNTY: MONTGOMERY

	POLICE PENSION PLAN
1. TOTAL ANNUAL PAYROLL (Estimated 2025 W-2 Salary)	3,777,269
2. NORMAL COST PERCENTAGE (Derived from latest actuarial valuation 1/1/25)	14.42%
3. TOTAL NORMAL COST (Item 1 times Item 2)	544,682
4. TOTAL AMORTIZATION REQUIREMENT (Derived from latest actuarial valuation 1/1/25)	135,674
5. TOTAL ADMINISTRATIVE EXPENSES (Derived from latest actuarial valuation 1/1/25)	0
6. TOTAL FINANCIAL REQUIREMENT (Item 3 +Item 4 + Item 5)	680,356
7. TOTAL MEMBER CONTRIBUTIONS	188,863
8. FUNDING ADJUSTMENT (Derived from latest actuarial valuation 1/1/25)	0
9. MINIMUM MUNICIPAL OBLIGATION (Item 6 - Item 7 - Item 8)	491,493

*A funding adjustment exists only if the assets exceed accrued liability as reported in the latest actuarial valuation and is determined pursuant to Section 302 (C) of Act 205 of 1984.

Signature of Chief Administrative Officer

Date Certified to Governing Body

**FINANCIAL REQUIREMENT AND MINIMUM MUNICIPAL OBLIGATION
BUDGET FOR 2026 (MARKET VALUE)**

NAME OF MUNICIPALITY: SPRINGFIELD TOWNSHIP

COUNTY: MONTGOMERY

	HOURLY PENSION PLAN
1. TOTAL ANNUAL PAYROLL (Estimated 2025 W-2 Salary)	1,828,605
2. NORMAL COST PERCENTAGE (Derived from latest actuarial valuation 1/1/25)	9.50%
3. TOTAL NORMAL COST (Item 1 times Item 2)	173,717
4. TOTAL AMORTIZATION REQUIREMENT (Derived from latest actuarial valuation 1/1/25)	98,247
5. TOTAL ADMINISTRATIVE EXPENSES (Derived from latest actuarial valuation 1/1/25)	0
6. TOTAL FINANCIAL REQUIREMENT (Item 3 +Item 4 + Item 5)	271,964
7. TOTAL MEMBER CONTRIBUTIONS	54,858
8. FUNDING ADJUSTMENT (Derived from latest actuarial valuation 1/1/25)	0
9. MINIMUM MUNICIPAL OBLIGATION (Item 6 - Item 7 - Item 8)	217,106

*A funding adjustment exists only if the assets exceed accrued liability as reported in the latest actuarial valuation and is determined pursuant to Section 302 (C) of Act 205 of 1984.

Signature of Chief Administrative Officer

Date Certified to Governing Body

**FINANCIAL REQUIREMENT AND MINIMUM MUNICIPAL OBLIGATION
BUDGET FOR 2026 (MARKET VALUE AT 6%)**

NAME OF MUNICIPALITY: SPRINGFIELD TOWNSHIP

COUNTY: MONTGOMERY

	SALARIED PENSION PLAN
1. TOTAL ANNUAL PAYROLL (Estimated 2025 W-2 Salary)	712,676
2. NORMAL COST PERCENTAGE (Derived from latest actuarial valuation 1/1/25)	16.58%
3. TOTAL NORMAL COST (Item 1 times Item 2)	118,162
4. TOTAL AMORTIZATION REQUIREMENT (Derived from latest actuarial valuation 1/1/25)	93,131
5. TOTAL ADMINISTRATIVE EXPENSES (Derived from latest actuarial valuation 1/1/25)	0
6. TOTAL FINANCIAL REQUIREMENT (Item 3 +Item 4 + Item 5)	211,293
7. TOTAL MEMBER CONTRIBUTIONS	21,380
8. FUNDING ADJUSTMENT (Derived from latest actuarial valuation 1/1/25)	0
9. MINIMUM MUNICIPAL OBLIGATION (Item 6 - Item 7 - Item 8)	189,913

*A funding adjustment exists only if the assets exceed accrued liability as reported in the latest actuarial valuation and is determined pursuant to Section 302 (C) of Act 205 of 1984.

Signature of Chief Administrative Officer

Date Certified to Governing Body

**FINANCIAL REQUIREMENT AND MINIMUM MUNICIPAL OBLIGATION
BUDGET FOR 2026**

NAME OF MUNICIPALITY: SPRINGFIELD TOWNSHIP

COUNTY: MONTGOMERY

	NON UNIFORM DC PLAN
1. TOTAL ANNUAL PAYROLL (Estimated W-2 Salary for 2025)	934,913
2. NORMAL COST PERCENTAGE	7.8930%
3. TOTAL NORMAL COST (Item 1 times Item 2)	73,793
4. TOTAL AMORTIZATION REQUIREMENT	0
5. TOTAL ADMINISTRATIVE EXPENSES	0
6. MINIMUM MUNICIPAL OBLIGATION (Item 3 + Item 4 + Item 5)	73,793

Signature of Chief Administrative Officer

Date Certified to Governing Body



August 20, 2025

Michael Taylor, Township Manager
Springfield Township
1510 Paper Mill Road
Wyndmoor, PA 19038

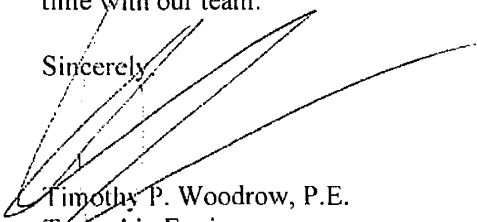
Reference: 2026 Woodrow & Associates, Inc. Billing Rates

Dear Mike:

You may have noticed in my proposed budget for 2026 some slight increases in the hourly rates proposed for our services. Inflationary pressures on things like health insurance, employee wages, office rents, etc. have led us to ask for this increase.

Please feel free to reach out with any questions you may have regarding the rationale for these requests. Thank you again for the opportunity to work with Springfield Township. I truly enjoy my time with our team.

Sincerely,



Timothy P. Woodrow, P.E.
Township Engineer
Woodrow & Associates, Inc.

TPW/del

Hourly Compensation Schedule for Services

Principal of Firm	\$125.00 / Hr.
Director of Engineering	\$114.00 / Hr.
Senior Engineer	\$99.00 / Hr.
Project Engineer	\$93.00 / Hr.
Professional Surveyor	\$103.00 / Hr.
Construction Observer I	\$104.00 / Hr.
Field Survey Crew (2 man)	\$150.00 / Hr.
Administrative Assistant	\$66.00 / Hr.

Postage / Express Mail
Plan copies \$1.50 / 24 x 36 plan sheet
Mileage \$.7 / Mile

Other reimbursable expenses:
A 15% service charge is added to all reimbursable expenses

Hourly Compensation Schedule for Services

Principal of Firm	\$121.00 / Hr.
Director of Engineering	\$110.00 / Hr.
Senior Engineer	\$99.00 / Hr.
Project Engineer	\$93.00 / Hr.
Professional Surveyor	\$103.00 / Hr.
Construction Observer I	\$100.00 / Hr.
Field Survey Crew (2 man)	\$150.00 / Hr.
Administrative Assistant	\$63.00 / Hr.

Postage / Express Mail
Plan copies \$1.50 / 24 x 36 plan sheet
Mileage \$.65 / Mile

Other reimbursable expenses:
A 15% service charge is added to all reimbursable expenses



936 Easton Rd., PO Box 754, Warrington, PA 18976 | 130 Almshouse Rd. Suite 201A, Richboro, PA 18954
215-343-2727 | www.bbco-cpa.com

August 11, 2025

Michael Taylor
Springfield Township
1510 Paper Mill Road
Wyndmoor, PA 19038

Dear Mike:

Enclosed you will find the 2025 engagement letter. The fee will be as follows:

For the year ended December 31, 2025:

- \$4,800 to compile the pension activity for the 4 pension plans
- \$22,150 for the Township's financial statements

We hope that you will find the engagement terms to be satisfactory and that we can continue working with you. If the terms are satisfactory, please sign, date and return the engagement letter to us.

Please contact me if you have any questions or would like to discuss the fee.

Sincerely,

A handwritten signature in black ink that reads 'Jennifer McHugh'.

Jennifer McHugh, CPA
Partner

Encl.

BEE BERGVALL & Co.

Certified Public Accountants

936 Easton Rd., PO Box 754, Warrington, PA 18976 | 130 Almshouse Rd. Suite 201A, Richboro, PA 18954
215-343-2727 | www.bbco-cpa.com

August 11, 2025

Board of Commissioners and Township Manager
Springfield Township

We are pleased to confirm our understanding of the services we are to provide Springfield Township for the year ended December 31, 2025.

Audit Scope and Objectives

We will audit the financial statements of the governmental activities, each major fund, and the aggregate remaining fund information, and the disclosures, which collectively comprise the basic financial statements of Springfield Township as of and for the year ended December 31, 2025. Accounting standards generally accepted in the United States of America (GAAP) provide for certain required supplementary information (RSI), such as management's discussion and analysis (MD&A), to supplement Springfield Township's basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. As part of our engagement, we will apply certain limited procedures to Springfield Township's RSI in accordance with auditing standards generally accepted in the United States of America (GAAS). These limited procedures will consist of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We will not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient appropriate evidence to express an opinion or provide any assurance. The following RSI is required by GAAP and will be subjected to certain limited procedures, but will not be audited:

1. Management's Discussion and Analysis
2. Budgetary Comparison Schedules
3. GASB Required Supplemental Pension and OPEB Information

We have also been engaged to report on supplementary information other than RSI that accompanies Springfield Township's financial statements. We will subject the following supplementary information to the auditing procedures applied in our audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS and we will provide an opinion on it in relation to the financial statements as a whole, in a report combined with our auditor's report on the financial statements:

1. Combining Statements by Fund Type

The objectives of our audit are to obtain reasonable assurance as to whether the financial statements as a whole are free from material misstatement, whether due to fraud or error; issue an auditor's report that includes our opinion about whether your financial statements are fairly presented, in all material respects, in conformity with GAAP and report on the fairness of the supplementary information referred to in the second paragraph when considered in relation to the financial statements as a whole.

Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists.

Misstatements, including omissions, can arise from fraud or error and are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment of a reasonable user made based on the financial statements.

Auditors' Responsibilities for the Audit of the Financial Statements

We will conduct our audit in accordance with GAAS and will include tests of your accounting records and other procedures we consider necessary to enable us to express such opinions. As part of an audit in accordance with GAAS, we exercise professional judgment and maintain professional skepticism throughout the audit.

We will evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management. We will also evaluate the overall presentation of the financial statements, including the disclosures, and determine whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation. We will plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether from (1) errors, (2) fraudulent financial reporting, (3) misappropriation of assets, or (4) violations of laws or governmental regulations that are attributable to the government or to acts by management or employees acting on behalf of the government.

Because of the inherent limitations of an audit, combined with the inherent limitations of internal control, and because we will not perform a detailed examination of all transactions, there is an unavoidable risk that some material misstatements may not be detected by us, even though the audit is properly planned and performed in accordance with GAAS. In addition, an audit is not designed to detect immaterial misstatements or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements. However, we will inform the appropriate level of management of any material errors, fraudulent financial reporting, or misappropriation of assets that comes to our attention. We will also inform the appropriate level of management of any violations of laws or governmental regulations that come to our attention, unless clearly inconsequential. Our responsibility as auditors' is limited to the period covered by our audit and does not extend to any later periods for which we are not engaged as auditors.

We will also conclude, based on the audit evidence obtained, whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the government's ability to continue as a going concern for a reasonable period of time.

Our procedures will include tests of documentary evidence supporting the transactions recorded in the accounts, and direct confirmation of receivables and certain assets and liabilities by correspondence with selected customers, creditors, and financial institutions. We will also request written representations from your attorneys as part of the engagement.

Our audit of the financial statements does not relieve you of your responsibilities.

Audit Procedures Internal Control

We will obtain an understanding of the government and its environment, including the system of internal control sufficient to identify and assess the risks of material misstatement of the financial statements, whether due to error or fraud, and to design and perform audit procedures responsive to those risks and obtain evidence that is sufficient and appropriate to provide a basis for our opinions. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentation, or the override of internal control. An audit is not designed to provide assurance on internal control or to identify deficiencies in internal control. Accordingly, we will express no such opinion. However, during the audit, we will communicate to management and those charged with governance internal control related matters that are required to be communicated under AICPA professional standards.

We have identified the following significant risks of material misstatement as part of our audit planning:

- 1) General overall risk of management override
- 2) Use of QuickBooks software
- 3) Improper revenue recognition risk
- 4) Proper capitalization of capital assets

Audit Procedures Compliance

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of Springfield Township's compliance with the provisions of applicable laws, regulations, contracts, and agreements. However, the objective of our audit will not be to provide an opinion on overall compliance and we will not express such an opinion.

Responsibilities of Management for the Financial Statements

Our audit will be conducted on the basis that you acknowledge and understand your responsibility for designing, implementing, and maintaining internal controls, relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error, including monitoring ongoing activities for the selection and application of accounting principles and for the preparation and fair presentation of the financial statements in conformity with accounting principles generally accepted in the United States of America with the oversight of those charged with governance.

Management is responsible for making drafts of financial statements, all financial records and related information available to us, for the accuracy and completeness of that information (including information from outside of the general and subsidiary ledgers); and for the evaluation of whether there are any conditions or events, considered in the aggregate, that raise substantial doubt about the government's ability to continue as a going concern for the 12 months after the financial statements date or shortly thereafter (for example, within an additional three months if currently known). You are also responsible for providing us with (1) access to all information of which you are aware that is relevant to the preparation and fair presentation of the financial statements, such as records, documentation, identification of all related parties and all related-party relationships and transactions, and other matters; (2) additional information that we may request for the purpose of the audit, and (3) unrestricted access to persons within the government from whom we determine it necessary to obtain audit evidence. At the conclusion of our audit, we will require certain written representations from you about the financial statements and related matters.

Your responsibilities include adjusting the financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements of each opinion unit taken as a whole.

You are responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the government involving (1) management, (2) employees who have significant roles in internal control, and (3) others where the fraud could have a material effect on the financial statements. Your responsibilities include informing us of your knowledge of any allegations of fraud or suspected fraud affecting the government received in communications from employees, former employees, grantors, regulators, or others. In addition, you are responsible for identifying and ensuring that the government complies with applicable laws and regulations.

You are responsible for the preparation of the supplementary information in conformity with accounting principles generally accepted in the United States of America (GAAP). You agree to include our report on the supplementary information in any document that contains and indicates that we have reported on the supplementary information. You also agree to include the audited financial statements with any presentation of the supplementary information that includes our report thereon or make the audited financial statements readily available to users of the supplementary information no later than the date the supplementary information is issued with our report thereon.

Your responsibilities include acknowledging to us in the representation letter that (1) you are responsible for presentation of the supplementary information in accordance with GAAP, (2) you believe the supplementary information, including its form and content, is fairly presented in accordance with GAAP, (3) the methods of measurement or presentation have not changed from those used in the prior period (or, if they have changed, the reasons for such changes), and (4) you have disclosed to us any significant assumptions or interpretations underlying the measurement or presentation of the supplementary information.

Other Services

We will also perform the following nonattest functions:

- 1) Prepare a draft of the Annual Audit and Financial Report for reporting to the Department of Community and Economic Development. We will not submit the report.
- 2) Prepare a concise financial statement for reporting in the newspaper.
- 3) Propose adjusting or correcting journal entries that will be reviewed and approved by management.
- 4) Assist in preparing the depreciation schedules.
- 5) Propose the full accrual conversion for the government-wide financial statements.
- 6) Compile the pension activity from investment statements provided by you.
- 7) Prepare the financial statements in conformity with accounting principles generally accepted in the United States of America based on information in the trial balance and other relevant information that is provided by, and is the responsibility of, management provided by you.

We will perform the services in accordance with applicable professional standards. The other services are limited to the financial statement services previously defined. We, in our sole professional judgment, reserve the right to refuse to perform any procedure or take any action that could be construed as assuming management responsibilities.

You agree to assume all management responsibilities for the financial statement preparation services and any other nonattest services we provide, oversee the services by designating an individual, preferably from senior management, with suitable skill, knowledge, or experience; evaluate the adequacy and results of the services; and accept responsibility for them.

Engagement Administration, Fees, and Other

You may request that we perform additional services not addressed in this engagement letter. If this occurs, we will communicate with you regarding the scope of the additional services and the estimated fees. We also may issue a separate engagement letter covering the additional services. In the absence of any other written communication from us documenting such additional services, our services will continue to be governed by the terms of this engagement letter.

We understand that your employees will prepare all cash, accounts receivable, or other confirmations we request and will locate any documents selected by us for testing.

We will schedule the engagement based in part on deadlines, working conditions, and the availability of your key personnel. We will plan the engagement based on the assumption that your personnel will cooperate and provide assistance by performing tasks such as preparing requested schedules, retrieving supporting documents, and preparing confirmations. If, for whatever reason, your personnel are unavailable to provide the necessary assistance in a timely manner, it may substantially increase the work we have to do to complete the engagement within the established deadlines, resulting in an increase in fees over our original fee estimate.

We will not undertake any accounting services (including but not limited to reconciliation of accounts and preparation of requested schedules) without obtaining approval through a written change order or additional engagement letter for such additional work.

The audit documentation for this engagement is the property of Bee Bergvall & Co. and constitutes confidential information. However, subject to applicable laws and regulations, audit documentation and appropriate individuals will be made available upon request and in a timely manner to oversight agencies or its designee. We will notify you of any such request. If requested, access to such audit documentation will be provided under the supervision of Bee Bergvall & Co. personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the aforementioned parties.

These parties may intend, or decide, to distribute the copies or information contained therein to others, including other governmental agencies.

Jennifer McHugh, CPA is the engagement partner and is responsible for supervising the engagement and signing the report or authorizing another individual to sign it. We expect to begin our audit in December and to issue our reports no later than June 15, 2026, depending on cooperation from your staff.

The fees for these auditing services are as follows for the year ended December 31, 2025:

- \$4,800 to compile the pension activity for the 4 pension plans
- \$22,150 for the Township's financial statements

We will also prepare the Department of Community & Economic Development Report, concise financial statement, and management letter.

Our fee for services will be at our standard hourly rates. Our standard hourly rates vary according to the degree of responsibility involved and the experience level of the personnel assigned to your audit. Our invoices for these fees will be rendered as work progresses and are payable on presentation. In accordance with our firm policies, work may be suspended if your account becomes overdue and may not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notification of termination, even if we have not completed our report. You will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket costs through the date of termination. The above fee is based on anticipated cooperation from your personnel and the assumption that unexpected circumstances will not be encountered during the audit. If significant additional time is necessary, we will discuss it with you and arrive at a new fee estimate before we incur the additional costs.

Reporting

We will issue a written report upon completion of our audit of Springfield Township's financial statements. Our report will be addressed to the Board of Commissioners. Circumstances may arise in which our report may differ from its expected form and content based on the results of our audit. Depending on the nature of these circumstances, it may be necessary for us to modify our opinions, add a separate section, or add an emphasis-of-matter or other-matter paragraph to our auditor's report, or if necessary, withdraw from this engagement. If our opinions are other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed opinions, we may decline to express opinions or withdraw from this engagement.

We appreciate the opportunity to be of service to Springfield Township and believe this letter accurately summarizes the significant terms of our engagement. If you have any questions, please let us know. If you agree with the terms of our engagement as described in this letter, please sign the attached copy and return it to us.

Very truly yours,



Bee, Bergvall and Company, P.C.
Certified Public Accountants

RESPONSE:

This letter correctly sets forth the understanding of Springfield Township.

Management Signature: _____ Title: _____ Date: _____

Governance Signature: _____ Title: _____ Date: _____

Springfield Township Zoning Hearing Board Notice

Notice is hereby given that the Zoning Hearing Board of Springfield Township, Montgomery County, will hold a meeting as required by the Zoning Ordinance of Springfield Township. This meeting will be held in the Boardroom of the Springfield Township Administration Building, located at 1510 Paper Mill Road, Wyndmoor, PA 19038, on **Monday, September 29, 2025**, at 7:00 p.m. at which time the following application will be presented:

Case #25-17: This is the application of **Brooke DiMarco & Mark Brault**, owners of the property located at 517 E. Willow Grove Avenue, Wyndmoor, PA 19038, known as Parcel #5200-1835-5007. The owners have filed an appeal to the action of the Zoning Officer and in the alternative, have requested a variance from Section 114-138. G of the Springfield Township Zoning Ordinance. The applicants seek approval to alter the roof line of an existing non-conforming building. The detached accessory building now exceeds the 12-foot height limitation. The renovations to this structure have been made without obtaining the required building permit(s). The property is zoned within the A-Residential District of Ward #5 of Springfield Township.

Case #25-18: This is the application of **G. P. Ventures HoldCo, LLC**, lease holder for the property located at 112 Lorraine Avenue, Orelan, PA 19075, known as Parcel #5200-1010-8001. The applicant has requested a variance from Section 114-91 of the Springfield Township's Zoning Ordinance. The applicant seeks approval to operate light manufacturing facility on the site. The business involves the assembly of firearm parts and the application of a protective sealant on those parts. The facility is not open to the public and there will be no retail sales from the site. The property is zoned within the B-1 Business District of Ward #3 of Springfield Township.

Case #25-19: This is the application of **Caren & Adam Levin**, owners of the property located at 701 Thomas Road, Philadelphia, PA 19118, known as Parcel #5200-1250-2001. The owners have requested a variance from Section 114-42. B of the Springfield Township Zoning Ordinance. They seek approval to increase the existing building coverage on the property from 16.5% to 19.7% of the total lot area. The property is limited to no greater than 15% building coverage. The property is zoned within the AA-Residential District of Ward #1 of Springfield Township.

Copies of the application packets are available for review in the Community Development Office during normal business hours, located at 1510 Paper Mill Road, Wyndmoor, PA 19038 or on our website at springfieldmontco.org. Any questions you may have can be addressed by contacting the Zoning Department at 215-836-7600, ext. 1114.

By Order of the Springfield Township
Zoning Hearing Board
Mark A. Penecale
Director of Planning & Zoning

Parks and Rec Boards Seek Student Representative

Interested students in Springfield Township are encouraged to apply.



JUL 10, 2025

GENERAL NEWS ▾

Student Representative Needed

The Parks and Recreation Advisory Committee and Recreation Center Advisory Committee are accepting applications for one student representative. This candidate should be a Junior or Senior as of the 2025-2026 school year at any high school in Springfield Township (public or private). The student must be a resident of Springfield Township.

About the Boards

Parks and Recreation Advisory Committee

The Parks and Recreation Advisory Committee advises the Board of Commissioners on the goals and objectives of the Township's parks and recreation programs and serves as a sounding board for the recreational needs of our residents.

Recreation Center Advisory Committee

The Springfield Township Recreation Center Advisory Committee was established in January 2023 by the Board of Commissioners to guide the planning process for the future of the recreation center located at 1200 Willow Grove Avenue in Wyndmoor. Specifically, this committee will explore what renovations would be needed to the existing facilities in order to accommodate the current and anticipated recreational needs of the community OR if the construction of a new facility is necessary to meet the recreational needs of the community. If a new facility is recommended and affirmed by the Board of Commissioners, the Committee will guide the process for designing a new recreational facility at 1200 Willow Grove Avenue.

Apply Now!

Interested candidates can apply by filling out the form below and submitting.

Apply to Volunteer

Alternatively, you can **send a letter of interest or resume to the attention of Mr. Michael Taylor, Township Manager, 1510 Paper Mill Road, Wyndmoor, PA 19038 or email mtaylor@springfieldmontco.org.**

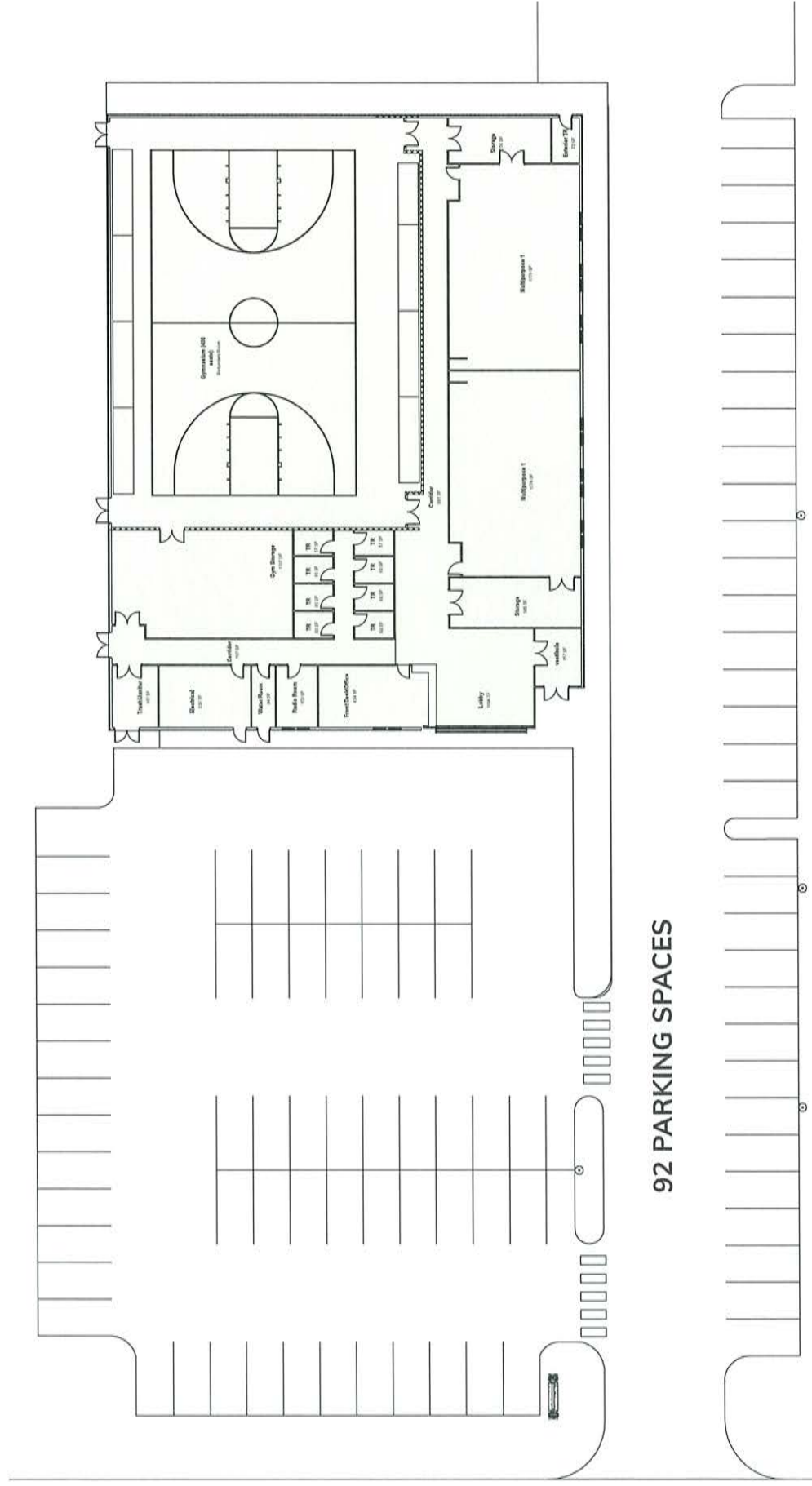
Recent Articles

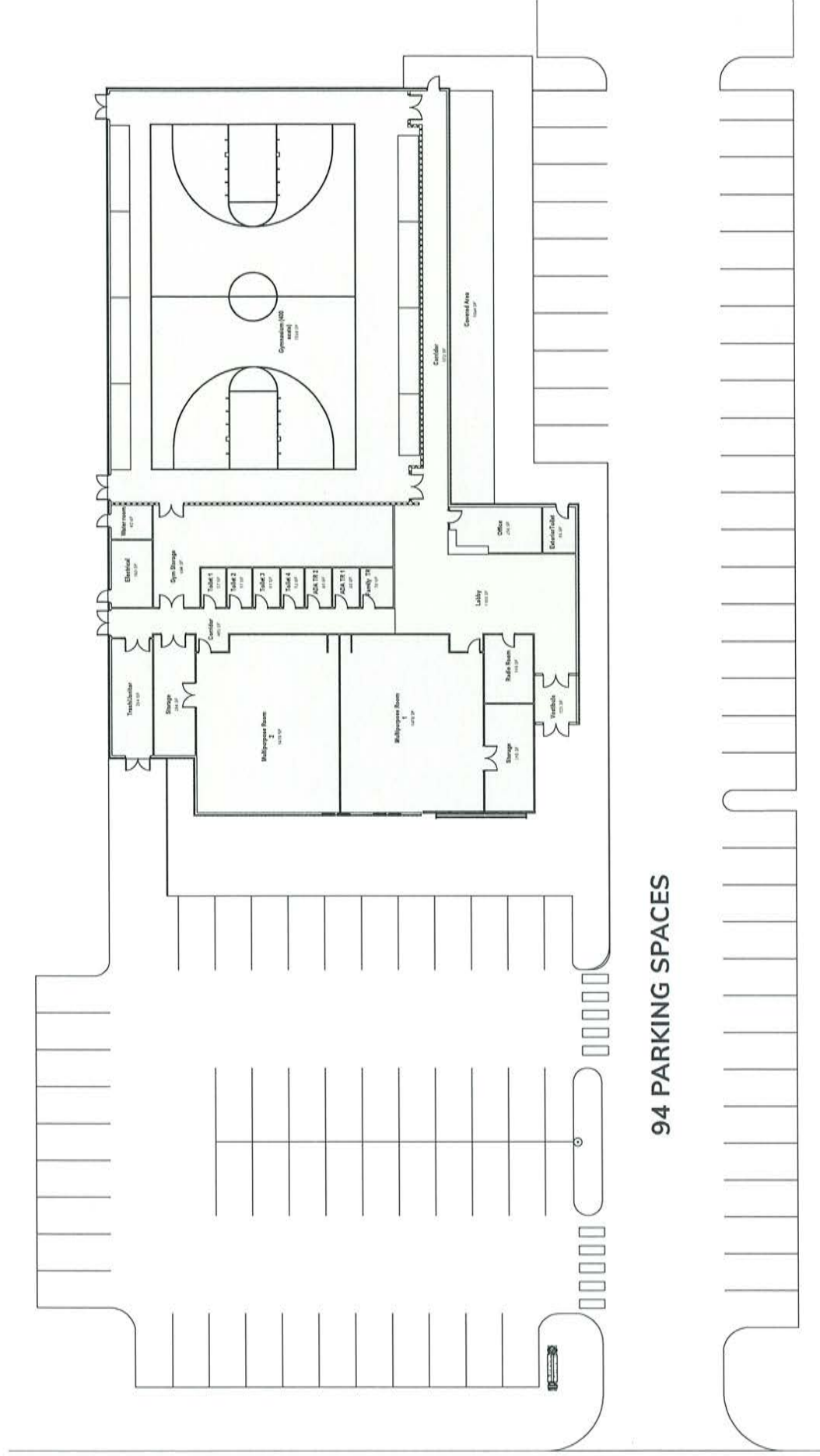


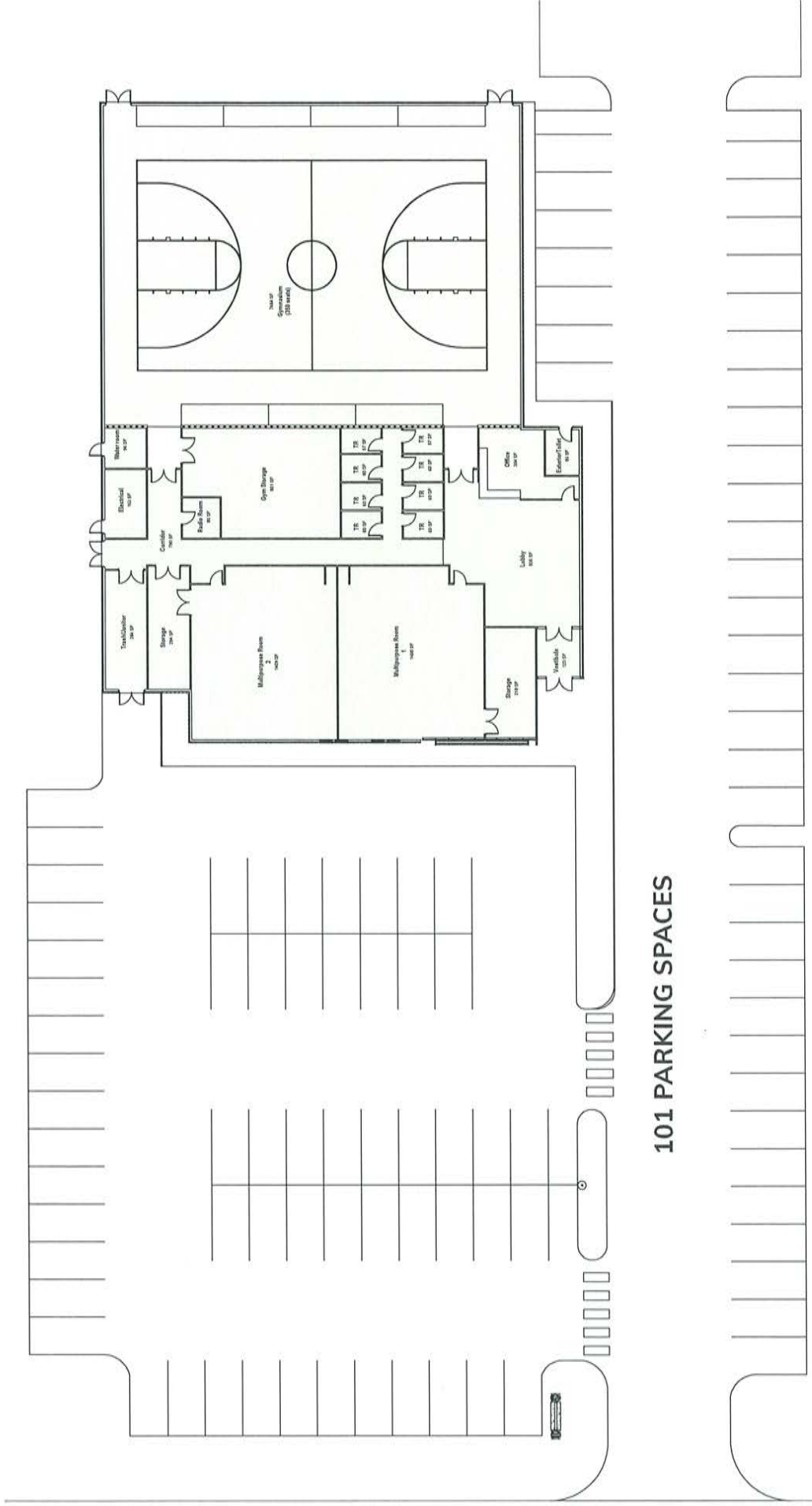
Springfield Township Recreation Center

Schematic Design

2025.08.29









Doylestown Township Recreation Center – Front (Program Spaces)



Doylestown Township Recreation Center – Front (Lobby)



Doylestown Township Recreation Center – Side (Gym at Left/Program Spaces at Right)



Doylestown Township Recreation Center – Side (Lobby at Left/Gym at Right)

WELCOME

Board of Commissioners Meeting
Recreation Center Feasibility Study
Monday, May 12, 2025
7:30 pm



Springfield Township

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Introductions

- MKSD Architects
 - Silvia Hoffman- Partner-President-Architect
 - Chris Connors- Director of Design
 - Isabella Parker- Interior Designer
 - Ryan Kennedy- Senior Project Manager
 - Jack Rogers- Architectural Designer
- Ballard King & Associates-Recreation Consultant
 - Ken Ballard- Principal
- Boyle Construction
 - Tony Ganguzza- Vice President Preconstruction Services



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Agenda

- Review the goals for the presentation and meeting
- MKSD to present Phase II & III of the study: the Program, Site Plan, Floor Plan and Renderings of Recreation Center
- Ballard King to present Market Overview and Operational Considerations
- Construction Manager's Cost Estimate
- Questions and Next Steps



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Goals of this Presentation & Meeting

- MKSD presented the Phase I of the feasibility study at the February 12th Board of Commissioners Meeting.
- At the March 10th, 2025 meeting, the Board of Commissioners approved MKSD to develop Phase II & III of the Feasibility Study, including investigating a New Recreation Facility on the site and its potential cost
- May 12, 2025, we will present the Phase II & III of the Study to help inform and facilitate Springfield Township Board of Commissioners decision-making for the Recreation Facility.



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Phase II- Program Development

MKSD, Township administration and committee members developed the building program spaces to meet the needs of the community. The spaces include:

- **Gymnasium**
 - Full size Basketball Court
 - 2 Cross Courts
 - Volleyball
 - Pickle Ball
- **Multi-Purpose Rooms (4)**
 - Flexible Rooms for various activities
 - Indoor/Outdoor Space
- **Business Operations and Support Space**
- **2nd level Walking Track**
- **Public Spaces**



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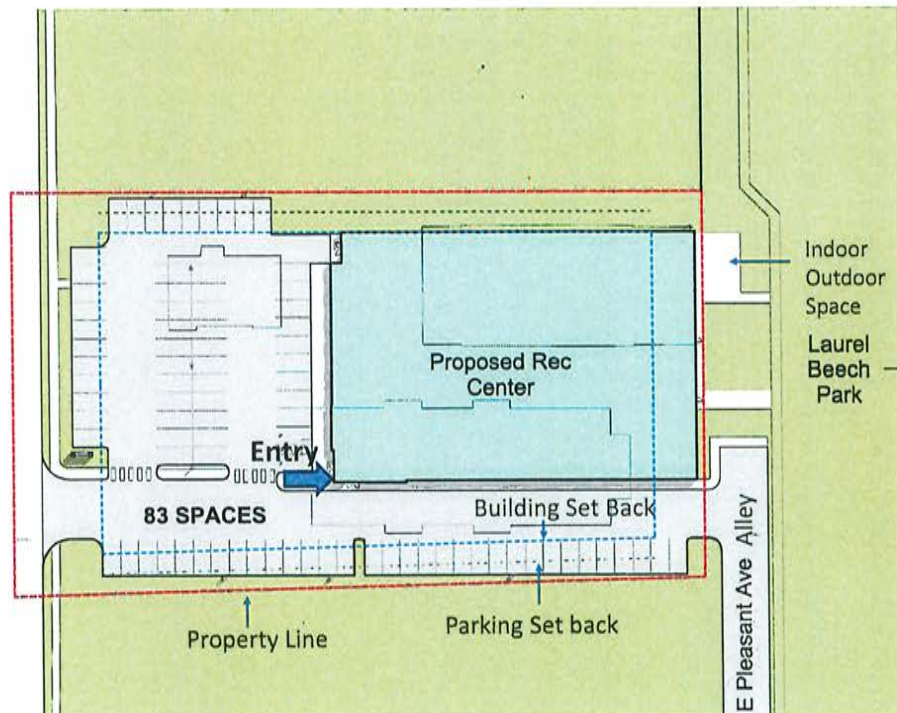
MKSD
MONTGOMERY COUNTY

Site Plan

Site Overview

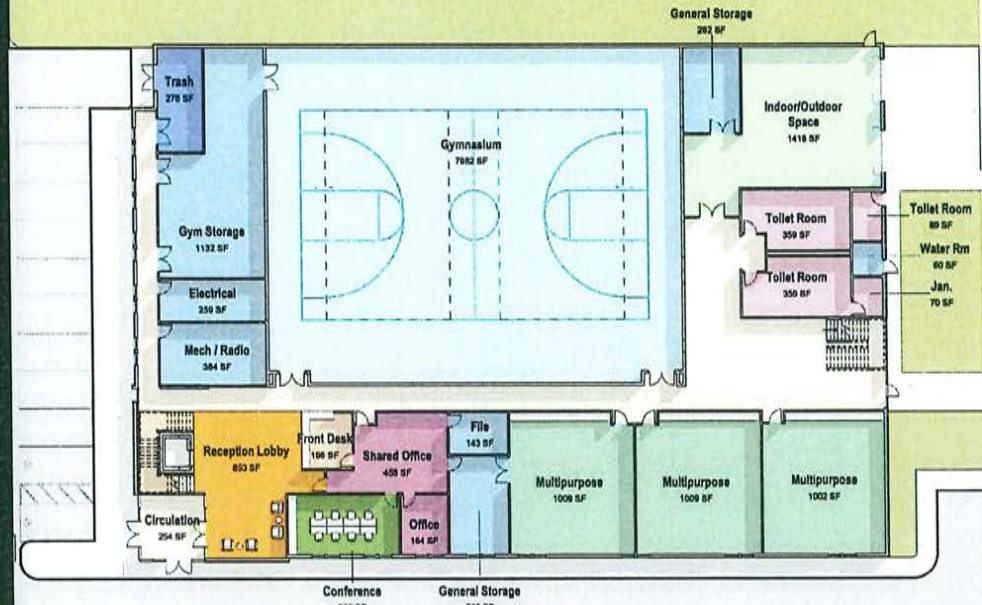
- Main Entry remains off E Willow Grove Ave
- 83 parking spaces provided (will need some site variances)
- Vehicle drop-off loop and connection to alley off E Pleasant Ave for emergencies only
- Building entry at the front corner
- Back of building faces the park with an indoor/outdoor space

E Willow Grove Ave



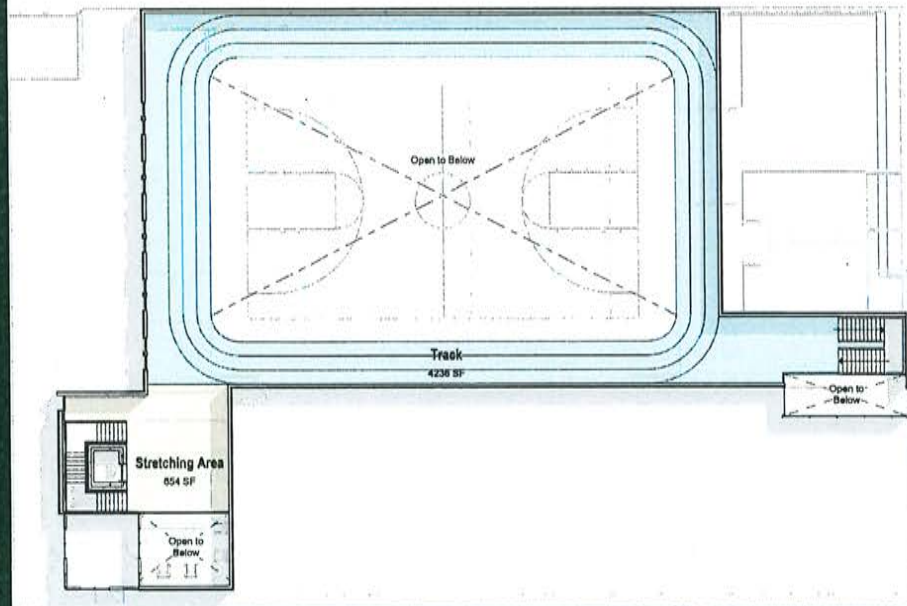
Floor Plan

Level 01 – 21,902 SF



2nd Floor Plan

Level 02 – 5,129 SF



Phase III - Exterior Design Goals & Preliminary Concepts

- **Materials** tie back to other *campus* buildings (ex: Library, Admin Building, etc...)
- **Prominent front entry** to clearly identify destination
- **Building placement** on site – setback from main streetscape to differentiate from adjacent residential
- **Maximize parking** efficiency on narrow site
- Delineate pedestrian walkways for **safe navigation** through lot and to building entry
- Maintain clear/direct **access to existing greenspace** behind Rec Center
- Maximize amount of **natural light** entering the public spaces of the building
- **Maintain emergency access** around building
- **Integrate brand** on and around building (in addition to material palette)



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MK
SD
ARCHITECTS



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MK
SD
ARCHITECTS



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Market Analysis

Market **opportunities** that exist with this project.

- The Township has an existing indoor recreation center that has an established market for indoor recreation, but it is an inadequate facility.
- The Primary Service Area's (Springfield Township) population is large enough to support a small to moderate sized recreation center by itself. It is possible to draw additional users from the Secondary Service Area as well.
- There is a high percentage of households with children in the Township, who are primary users of recreation centers.
- The Township has a high median household income level and a corresponding high recreation spending index. These are both strong indicators of a greater rate of use of community centers.



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Market Analysis

Market **challenges** that exist with this project.

- It will be difficult to draw users from outside of the Township on a consistent basis due to the prevalence of other public, private and non-profit facilities in the area.
- The demographic characteristics of the service areas indicate an older median age and there will be a substantial increase in the older age groups in the coming years. The older the median age, the lower the participation rate is in most recreation activities.
- Scaling the building size to the Township market will be critical to strong financial performance.
- Funding not only the development but the operation of a recreation center will have to be clearly defined.



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Operational Considerations

- Operations plan for two options:
 - **Option 1** - Center with an elevated track
 - **Option 2** - Center without a track
- The center will be operated by the Township
- First year of operation is 2028
- Budget covers all operational expenses and revenues including programs

Hours of Operation

Days	Hours
Monday - Friday	8:00am - 9:00pm
Saturday	8:00am - 6:00pm
Sunday	Noon - 6:00pm
Total Hours Per Week	81



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Operations Plan

Proposed Fees

Option 01- Gym/Track

Category	Daily Gym/Track Admission		20 Admissions	
	Res.	Non Res.	Res.	Non Res.
Adults	\$8.00	\$10.00	\$136.00	\$170.00
Youth (2-17)	\$6.00	\$7.50	\$102.00	\$128.00
Senior (55+)	\$6.00	\$7.50	\$102.00	\$128.00

Track Only – Weekdays 8:00am to 11:00am only

Category	Daily Track Admission		20 Admissions	
	Res.	Non Res.	Res.	Non Res.
Individual	\$4.00	\$5.00	\$68.00	\$85.00

Option 02- Gym

Category	Daily Gym Admission		20 Admissions	
	Res.	Non Res.	Res.	Non Res.
Adults	\$7.00	\$9.00	\$119.00	\$153.00
Youth (2-17)	\$5.00	\$6.00	\$85.00	\$102.00
Senior (55+)	\$5.00	\$6.00	\$85.00	\$102.00



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Operations Budget

	Option 1	Option 2
	27,030 SF	21,900 SF
Category	Budget	Budget
Expenses	\$ 782,303	\$ 726,473
Revenues	\$ 522,863	\$ 474,005
Difference	(259,440)	(252,468)
Recovery %	67%	65%



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Opinion of Cost

- Developed by Boyle Construction
- Based on current construction bidding environment
- Includes escalation with a bid date of Q2 2026
- Based on similar scale, public bid, multi prime projects
- Currently Does not include Geothermal Field or Solar panels
- Costs are broken down as requested:
 - Base one-story building
 - Separate cost of second-floor track and associated infrastructure
 - Separate out other alternates



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Base Building (No elevated walking track)

• Demolition of 3 Existing Buildings:	\$ 470,000.00
• Site Work:	\$1,707,563.52
• General Construction:	\$6,876,308.25
• Fire Protection, Plumbing, Mechanical/HVAC, Data/Electrical, Security:	\$ 4,002,646.00
• General Conditions:	\$ 1,174,955.30
• Contingency	\$ 652,825.89

Opinion of Cost Sub Total: \$14,884,430.26

• Soft Costs: Professional Fees, construction testing, additional studies, Owner Insurance, FF & E	\$688,842.00
--	--------------

Opinion of Cost Total: \$15,573,272.30



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2nd Floor Track & Associated Infrastructure

- 2 Stair towers
- Elevator
- Elevated Track & Railings
- Exterior Materials & Windows
- General Construction
- Fire Suppression, Mechanical, Plumbing, Electrical

Opinion of Cost: \$2,437,061.54



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Potential Additional Alternates

- Construction Management Services
- LEED Consult and Certification
- Generator
- Monument Sign
- Site Wheel Stops
- Solar Panel and Geothermal Studies
- Potential Penn Dot HOP work

Opinion of Cost: \$1,000,000.00



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Total Opinion of Cost

Base Building	\$14,884,430.26
2 nd Floor Track :	\$ 2,437,061.54
Soft Cost:	\$ 1,217,842.00
Alternates :	\$ 1,000,000.00

Total Cost: \$19,569,333.80



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Total Opinion of Cost- Renovation vs. New Construction

Renovating Existing Buildings

Total Cost: \$5,642,743.07

Existing Building A- 8,255 SF
Existing Building B- 9,454 SF
Total: 17,679 SF

Includes:

- Parking: 13 Spots
- No expansion
- Minor Building Repairs
- Replacement of Building Systems
- Update for Building Code Requirements

Base Building & Demolition of Existing Buildings

Total Cost : \$ 15,573,272.30

New Recreation Center
Total: 27,031 SF

Includes (but not limited to):

- Parking: 83 Spots
- Expanded footprint creates expanded programs
- Fits all programs and square footage requirements
- Supports outside operations
- Provides diversity, equity, and inclusion for all age groups.
- Opportunity for the building to be renewable.

2nd Floor Track : \$ 2,437,061.54



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Next Steps- Design and Construction Schedule

- Design Development, Construction Documents,
Land Development, NPDES, and Penn Dot approvals- (12 months)
- Public, multi-prime Bidding & Permit (2 months)
- Award of Contracts (1 months)
- Construction (12 months)
- Owner Occupancy- Quarter 3, 2027



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Questions



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Guiding Principles of the Project

1. Must meet the financial expectations of the Township for capital and operations.
2. Must have a strong community focus.
3. Must serve all age groups and support diversity, equity, and inclusion.
4. Provides a location for existing Township Parks and Recreation activities and programs, while allowing for the expansion of Township offerings.
5. Provides offices for staffing of the Recreation Center.
6. Serves both active and passive recreation needs.
7. Should be able to function as comfort station for Township residents during events such as natural disasters or other emergencies.
8. Minimize the impact on adjacent property owners with concern to traffic & noise.
9. Consider the opportunity to support operations with income from rentals.
10. Must have strong multi-use capabilities with attention to acoustics.
11. Should have connectivity to the adjacent Laurel Beech Park field and playground.
12. Design and build using sustainable design principles, ensuring that new or existing building(s) will use 100% renewable energy, in compliance with Resolution 1469 passed unanimously by the Board of Commissioners in January 2019.
13. Indoor Air Quality as part of MEP narrative.



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THANK YOU



Springfield Township

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**RECYCLING REPORT
STATISTICAL DATA
FOR THE MONTH OF AUGUST 2025**

	<u>THIS MONTH</u>	<u>YEAR TO DATE</u>	<u>2025 BUDGET</u>
Materials Collected (tons)			
Single Stream Recyclables	141.4	1,294.45	1,996.5
Householder Participation			
No. of Curb Stops	22,063	174,742	266,263
Percent of Total (7,200)	76.6	67.6	71.0
Avg. Lbs. per Curb Stop	12.8	14.8	14.8
Sales Value of Recyclables (net)			
Single Stream Recyclables (\$24.58)*	(3,475.61)	(12,214.70)	(70,538.36)
Disposal Savings/Cost Avoidance			
COVANTA Tipping Fee @ \$82.75	11,700.85	107,115.74	162,727.88
State Performance Grant			
Prorated Annual Award	2,426.67	19,413.33	29,120.00
Grand Total Sales/Savings	10,651.91	114,314.37	121,309.52
Cost of Collection (prorated)			
Labor and Overhead	(28,134.58)	(225,076.67)	(337,615.00)
Equipment Cost	(5,250.00)	(42,000.00)	(63,000.00)
General Expense/Recycling Center	(83.33)	(666.66)	(1,000.00)
Total Cost	(33,467.91)	(267,743.33)	(401,615.00)
Net Income and Saving	(22,816.00)	(153,428.96)	(280,305.48)

* ESTIMATED; Sales value adjusts monthly

BID RESULTS

SPRINGFIELD TOWNSHIP MUNICIPAL SOLAR PROJECT

JULY 11, 2025

Option 1 – Direct Purchase

Proposal	Annual Production (kWh)	Total Cost	System Size (kW)	Net Cost (\$/W)	IRA/ITC Value (\$)	PECO Incentive Value (\$)	Net Cost	Net Unit Cost (\$/W)
Bright Eye	440,231	\$693,504	330	\$2.10	\$208,051	\$26,696	\$458,757	\$1.39
Exact Solar	451,898	\$682,223	390	\$1.75	\$204,667	\$26,696	\$450,860	\$1.15
Exact Solar	452,319	\$732,895	390	\$1.88	\$219,868	\$26,696	\$486,330	\$1.25
IKIO	575,606	\$996,600	454	\$2.20	\$298,980	\$26,696	\$670,924	\$1.48
Solar States	493,454	\$1,014,457	423	\$2.40	\$304,337	\$26,696	\$683,424	\$1.62
Solar States	456,257	\$823,062	377	\$2.18	\$246,919	\$26,696	\$549,447	\$1.46
Solar States	456,257	\$964,626	377	\$2.56	\$289,388	\$26,696	\$648,542	\$1.72
Spotts Brothers*	450,300	\$629,125	379	\$1.66	\$188,738	\$26,696	\$413,692	\$1.09
TerraSol	550,500	\$989,017	427	\$2.32	\$296,705	\$26,696	\$665,616	\$1.56

Option 2 – Power Purchase Agreement

Proposal	Minimum Purchase Requirements ¹ (kWh/yr)	Year 1 Electric Cost ² (\$/kWh)	Year 6 Electric Cost (\$/kWh)	Earliest Buyout Cost, Year 6 Unless Noted ¹ (\$)	Year 25 Electric Cost (\$/kWh)
Bright Eye	NA	\$0.09	\$0.10	\$415,000	\$0.18
Exact Solar	NA	\$0.13	\$0.14	NA	\$0.20
Solar States	410,631	\$0.11	\$0.13	\$680,295	\$0.22
Spotts Brothers	Pay-As-Produced	\$0.11	\$0.10	\$400,000	\$0.12

* Denotes Apparent Low Bidder

Wilson Engineering Services, PC

18282 Technology Drive, Suite 204
Meadville, PA 16335
(814) 337-8223

8430 Rea Road, Suite F
Charlotte, NC 28277
(704) 940-1867



M E M O R A N D U M

Date: September 3, 2025

To: Michael Taylor, Springfield Township

From: Michael Stahly; Patrick Martin, WES

CC: Christopher Nafe, PA DEP; Ron Celentano, Celentano Energy Services

Re: Springfield Township Solar RFP Response Overview

1.0 EXECUTIVE SUMMARY

In January of 2019, the Springfield Township Board of Commissioners created a Renewable Energy Transition Plan in which the Township committed to reaching 100% renewable electricity for all Township municipal operations by 2035 and 100% renewable energy for all Township municipal transportation and building heat by 2050. The plan also aims to meet 100% renewable electricity and energy use by the wider community, including Springfield residents and businesses, by 2035 and 2050, respectively. Identified in the Plan is converting to 100% renewable electricity for the Township in which solar energy is specifically identified as a method to reach the stated goal.

Springfield Township is considering the implementation of a rooftop solar array project at the Police/Administration Building and the Public Works facility to reduce operating costs and reduce the greenhouse gas emissions profile of operations at those two sites as well as the Springfield Public Library. The anticipated system is composed of two separate arrays: one located on the Police/Administration building and the other located on the Public Works main building and garage, for an anticipated total system size of 350 kW of solar DC capacity. The expected excess solar generation produced at the Public Works facility will offset electric usage at the Library, using the virtual meter aggregation net metering billing mechanism.

To implement this project Springfield Township has undertaken a Request for Proposal (RFP) approach to solicit contractors on a specified performance specification. This memorandum serves to summarize the process undertaken, the results from the Responses, additional screening performed and the primary applicants subject to being awarded for further consideration by the Board of Commissioners.

Spotts Brothers is the apparent lowest bidder from the RFP process. After completing due diligence on the provided proposals, Spotts Brothers is identified as providing the proposal with the greatest value to the Township including lower initial cost per unit of system capacity, and lowest cost per amount of projected electrical generation. The equipment specified is reputable, and value-added measures have been included such as the over stripping of the roof seams to increase roof life and any risks of added costs would still result in a system with unit capacity costing less than the next lowest bidder, Exact Solar.

This document is provided through support and funding from the U.S. Department of Energy's State Energy Program and the Pennsylvania Department of Environmental Protection

2.0 REQUEST FOR PROPOSALS

An RFP for rooftop solar arrays at the Springfield Township Police/Administration Building, the Public Works facility was released on June 1, 2025, and a mandatory pre-bid meeting was held on site on June 18, 2025. The RFP outlined key metrics that prospective contractors must meet including minimum efficiency of proposed equipment, anticipated sizing, estimated tie points to existing electrical equipment, and a general expectation of schedule under the premise of level setting the project scope. The primary goal of the RFP process is to identify prospective contractors/projects that provide the most value to the Township, with value being attributed to factors such as the Respondent's experience with projects of similar scope, cost/size of the array proposed, quality of equipment selected, performance of the array, and impacts on aesthetics.

During the mandatory pre bid meeting, Respondents were allowed to take measurements, review electrical equipment, and gather all information pertinent to providing a preliminary design and proposal for the respective arrays. Proposals had a final submission date of July 11, 2025, and Respondent eligibility limited to those that were present during the pre-bid meeting. Proposals were required to be submitted via paper copy and addressed to the Township Manager. The sealed proposals were opened in a publicly available event.

3.0 RESPONSE SUMMARY

Proposals were received from six different companies, with some including multiple variations of equipment and/or size of the array. An overview of the proposals, including key metrics such as expected electricity production and net cost are shown in Table 1.

Table 1: Overview of Received Option 1 Solar Proposals

Proposal	System Size (kW)	Annual Production (kWh)	Total Cost	Unit Cost (\$/W)	Estimated Incentive Value (\$)	Net Cost (\$)	Net Unit Cost (\$/W)
Bright Eye	330	440,231	\$693,504	\$2.10	\$234,747	\$458,757	\$1.39
Exact Solar	390	451,898	\$682,223	\$1.75	\$231,363	\$450,860	\$1.15
	390	452,319	\$732,895	\$1.88	\$246,564	\$486,330	\$1.25
IKIO	454	575,606	\$996,600	\$2.20	\$325,676	\$670,924	\$1.48
Solar States	423	493,454	\$1,014,457	\$2.40	\$331,033	\$683,424	\$1.62
	377	456,257	\$823,062	\$2.18	\$273,615	\$549,447	\$1.46
	377	456,257	\$964,626	\$2.56	\$316,084	\$648,542	\$1.72
Spotts Brothers	379	450,300	\$629,125	\$1.66	\$215,434	\$413,692	\$1.09
TerraSol	427	550,500	\$989,017	\$2.32	\$323,401	\$665,616	\$1.56

The Township has expressed a desire to move forward with the proposal providing the most value, while considering the quality of the provider and their equipment. Thus, supplementary due diligence continued with the two apparent lowest cost proposals to discern any key differences in proposed scope that may affect the ultimate value of the project completed. Further candidate screening continued with Spotts Brothers and Exact Solar.

Note that in the RFP there was an option for submitting Power Purchase Agreement terms under Option 2 – Option 1 being the standard purchase of the array by the Township. There were four (4) submittals under Option 2 by Bright Eye, Exact Solar, Solar States, and Spotts Brothers. Of the

WES Wilson Engineering Services, PC

Responses, Spotts Brothers had the lowest proposed terms. However, the lifecycle cost of the array was lower for direct purchase in all cases, thus direct ownership was determined to be more financially favorable to the Township. For completeness, a summary of the proposed Option 2 responses is provided in Table 2.

Table 2: Overview of Received Option 2 Solar Proposals

Proposal	Minimum Purchase Requirements ¹ (kWh/yr)	Year 1 Electric Cost ² (\$/kWh)	Year 6 Electric Cost (\$/kWh)	Earliest Buyout Cost, Year 6 Unless Noted ³ (\$)	Year 25 Electric Cost (\$/kWh)
Bright Eye	NA	\$0.09	\$0.10	\$415,000	\$0.18
Exact Solar	NA	\$0.13	\$0.14	NA	\$0.20
Solar States ⁴	410,631	\$0.11	\$0.13	\$680,295	\$0.22
Spotts Brothers	Pay-As-Produced	\$0.11	\$0.10	\$400,000	\$0.12

Notes: 1) NA indicates Response not provided.

2) Presented values, apart from Bright Eye Solar, include the Township retaining the rights to AECs generated by the system. Bright Eye only submitted an Option for which AECs are retained by the Respondent. AEC values are expected to range in realized value, if monetized from \$0.015-\$0.03 per kWh.

3) Bright Eye provided an earliest buy out at 7 years. Solar States provided a buyout for each year; however, it is expected Year 6 would be the most attractive as there are time requirements for realizing tax credit value that this is assumed to accommodate.

4) Solar States presented a decreasing minimum purchase requirement. This is expected to correspond to decreasing output, or a minimum purchase requirement equal to the solar generation by default.

4.0 CANDIDATE SCREENING

The Township has been involved in further discussions with both Exact Solar (Exact) and Spotts Brothers (Spotts) on the details of their design proposal. Since the RFP was advertised and proposals were submitted, there have been changes regarding the federal incentives available via tax credit value which Springfield is anticipating as part of project economic calculations. Thus, Spotts and Exact have been tasked with reviewing the latest IRS guidance for eligibility for realizing credit value and informing whether the proposed equipment in their proposal is expected to be eligible for realizing the tax credit value. Due to the dynamic nature of the current Guidance, it is expected that continual review of available information and comparing new requirements of eligibility to the selected equipment will need to be ongoing and subject to change if future Guidance dictates so.

As part of the due diligence process, meetings were conducted individually with both Spotts and Exact to provide answers to any outstanding questions not addressed in the original proposal, provide addendums to the Response, or provide missing items. In addition to the meetings, references were contacted to discuss historical performance and any issues faced with the contractor during the construction of similar projects. Note that all references contacted for each of the Respondents had positive reviews and recommendations, a summary of the contacts is presented in Table 3.

Table 3: Reference Summary

Respondent	Spotts Brothers		Exact Solar	
Contact	South Central Transit Authority	Commonwealth Charter Academy/Multiple Locations ¹	Upper Dublin Township/Multiple ²	Solid Rock Baptist Church
Phone	610 406 4507	717 357 1129	610 562 8336	717 357 1129
Contacted	x	x	x	x
Answers to Questions	x	x	x	x
Recommendation	x	x	x	x
Would /Are Actively Working with Again	x	x	x	x

Notes: 1) Commonwealth Charter Academy included multiple, separate projects.

2) Upper Dublin included 1 completed project and an additional one underway.

Both entities have been tasked with submitting a revised proposal to address the size of the transformer for which the Public Works array will tie into. The Public Works array will tie into the existing 150 kVA transformer that is owned by PECO. The RFP included a recommended sizing greater than the maximum rating on the transformer, relying on the Respondent's expertise and history of working with the utility to provide insight on the maximum array appropriate to not require a transformer upgrade. The following sections provide details regarding the submissions provided by each Respondent.

4.1 SPOTTS BROTHERS

Spotts Brothers submitted a 379kW system using SMA inverters and Jinko panels, both established solar equipment brands. Spotts' original approach was to trench and run conduit from the arrays to the transformer in the parking lot at the Public Works facility and tie into existing second floor infrastructure via line side tap at the Police/Administration building. Upon further review and an additional site visit performed during the due diligence period, Spotts now proposes tying in all systems to existing infrastructure via line side tap. Note the Public Works array includes a jumper trench to be dug between the garage buildings and that the tie point is the switchgear in the Garage. Due to SMA being the specified inverter used, there will need to be a stepdown transformer included as part of the project scope to drop down inverter AC voltage from 480V to 208V, the voltage of the electrical infrastructure onsite. Spotts stands by the SMA reliability and that their experience with them warrants the addition of a stepdown transformer. The Public Works array will include a ground mounted stepdown transformer and electrical panel mounted near the electrical room of the Public Works garage.

As part of the due diligence period, Spotts provided an addendum including an updated design per comments from discussions with the Township. The new proposal includes an update to the cost proposal, resulting in a lower unit cost, while maintaining original lump sum cost. Regarding the roof warranty, Spotts Brothers is a certified Firestone roof installer, which is the brand of the membrane currently on the building and has included in the Response over stripping of the existing seams as a means to increase the workable life of the roof; their observations of the roof during the site visit did not indicate risks of premature failure that could incur additional costs to replace once the solar arrays are installed. Table 4 presents a high-level summary of the original and updated response.

Table 4: Spotts Brothers Proposal Summary

Proposal	Cost, \$	System Wattage, kW _{dc}	System Wattage, kW _{ac}	Unit Cost, \$/W	Annual Generation, kWh/yr
Original	\$629,125	379	319	\$1.66	450,287
Modified	\$629,125	389	283	\$1.62	456,837

4.2 EXACT SOLAR

Exact Solar submitted two proposals as part of the initial response package: one utilizing SMA inverters and one utilizing Solar Edge inverters – both utilize VSUN panels. The SMA option was selected as the desired proposal due to it being the lowest cost option and general anecdotal information that SMA provides a more reliable product compared to Solar Edge. Exact Solar did not provide a design with their submittal, thus further review was not possible.

After discussions with Exact Solar, a design was submitted for review, however, the design contained inaccuracies related to the existing site infrastructure, thus requiring a site visit to be performed, despite pertinent information required having been supplied in the RFP. Following the site visit, a revised design was submitted with significant changes including:

- Revised inverter supplier to Chint – the original design did not account for the site voltage to be 208V. SMA inverters provide AC power at 480V and Exact prefers to avoid the use of stepdown transformers.
- Revised layout and tie points of system to the line side tap in each building. Note that on the single line designs provided, a load side tap is indicated for the Public Works building in one drawing set, while a line side tap is indicated in another set.

A summary of the lowest cost proposals submitted by Exact Solar are provided in Table 5.

Table 5: Exact Solar Lowest Cost Proposal Summary

Proposal	Cost, \$	System Wattage, kW _{dc}	System Wattage, kW _{ac}	Unit Cost, \$/W	Annual Generation, kWh/yr
Original (Lowest Cost Proposed)	\$682,223	390	375	\$1.75	451,898
Modified (Lowest Cost Proposed) ¹	\$624,881	357	250	\$1.75	391,478

Notes: 1) Annual Generation provided by NREL's PVWatts tool. Review of the inputs for the tool from the provided printout indicated incorrect values used in the generation of the figures, thus this is expected to change if completed with as-proposed metrics. The values presented are as provided by the proposing contractor.

5.0 SUMMARY

Spotts Brothers and Exact Solar are the apparent lowest bidders from the RFP process. Due diligence was then completed for both Respondents to identify any critical issues with the Response and determine if there are risks for change orders due to the submitted design or if there are other technical issues that may put the performance of the proposed arrays at risk. After completing the due diligence, Spotts Brothers is identified as providing the proposal with the greatest value to the Township including lower unit cost, and lowest cost per amount of projected electrical generation. The equipment specified is reputable, and value-added measures have been included such as the over stripping of the roof seams to increase roof life and any risks of added costs would still be an

aggregate cost less than the next lowest bidder, Exact Solar. The Modified proposal by Exact Solar is the lowest lump sum cost Option due to the system being derated from that originally proposed. The offering provided by Spotts Brothers maintains the lowest unit cost proposed and have noted that any derating of the scope within a reasonable margin will be prorated at that price.

5.1 RISKS

Spotts Brothers has proposed a system with the lowest unit cost and no significant differences in scope that have been unaddressed. There are, however, still risks associated with the project that can affect the ultimate cost of the system:

- **Tax Credit:** Per the passage of the One Big Beautiful Bill Act (OBBB), new requirements have been levied on solar projects to be eligible for the 30% tax credit, specifically Foreign Entities of Concern (FEOC) and new domestic content requirements. The IRS provided guidance regarding the safe harbor of the tax credit within which it specifically dictated that FEOC guidance will be provided at a later, undisclosed date. Without the specific guidance, it is impossible to completely identify which equipment will be eligible for the credit and what may be excluded. It is worth noting that the safe harbor guidance specifically retained the general current requirements for projects under 1.5 MW. Spotts Brothers indicates they expect that the equipment proposed will maintain eligibility.
- **Changes in Scope:** The project scope proposed is anticipated to meet PECO interconnection requirements, however this is subject to PECO review during interconnection approval. The findings for the applied array may indicate adjustments to the project scope, such as a transformer upgrade, at which point the Township would likely be subject to incurring the cost of the upgrade or lower the array capacity to meet PECO's requirements. Spotts has estimated that a transformer upgrade would be approximately \$20,000 to \$30,000, and/or moderate changes to the installed DC capacity would be prorated on the \$/W basis as provided in the ultimate agreement.
- **Utility Isolation Switch Location:** Spotts is currently proposing a disconnect located on the roof of the Police/Administration Building, though PECO generally requires 24/7 access – ground level and outside of any limited access areas. Spotts is optimistic that the variance will be granted because the Administration Building also includes the Springfield Police Department which operates 24/7. Otherwise, the routing of the disconnect to an appropriate spot that was identified by staff on the site visit will incur an additional cost of approximately \$10,000.

With the primary risks identified, Spotts Brothers still provides the most cost-effective Response to implement the solar array at the Township Police/Administration building and Public Works facilities.

6.0 ATTACHMENTS

- **Attachment A: Original Response Packages (Electronic Attachment)**
 - Bright Eye
 - Exact Solar
 - IKIO LED
 - Solar States
 - Spotts Brothers
 - TerraSol
- **Attachment B: Amended Responses (Electronic Attachment)**
 - Spotts Brothers
 - Exact Solar

BID RESULTS

SPRINGFIELD TOWNSHIP MUNICIPAL SOLAR PROJECT

JULY 11, 2025

Option 1 – Direct Purchase

Proposal	Annual Production (kWh)	Total Cost	System Size (kW)	Net Cost (\$/W)	IRA/ITC Value (\$)	PECO Incentive Value (\$)	Net Cost	Net Unit Cost (\$/W)
Bright Eye	440,231	\$693,504	330	\$2.10	\$208,051	\$26,696	\$458,757	\$1.39
Exact Solar	451,898	\$682,223	390	\$1.75	\$204,667	\$26,696	\$450,860	\$1.15
Exact Solar	452,319	\$732,895	390	\$1.88	\$219,868	\$26,696	\$486,330	\$1.25
IKIO	575,606	\$996,600	454	\$2.20	\$298,980	\$26,696	\$670,924	\$1.48
Solar States	493,454	\$1,014,457	423	\$2.40	\$304,337	\$26,696	\$683,424	\$1.62
Solar States	456,257	\$823,062	377	\$2.18	\$246,919	\$26,696	\$549,447	\$1.46
Solar States	456,257	\$964,626	377	\$2.56	\$289,388	\$26,696	\$648,542	\$1.72
Spotts Brothers*	450,300	\$629,125	379	\$1.66	\$188,738	\$26,696	\$413,692	\$1.09
TerraSol	550,500	\$989,017	427	\$2.32	\$296,705	\$26,696	\$665,616	\$1.56

Option 2 – Power Purchase Agreement

Proposal	Minimum Purchase Requirements ¹ (kWh/yr)	Year 1 Electric Cost ² (\$/kWh)	Year 6 Electric Cost (\$/kWh)	Earliest Buyout Cost, Year 6 Unless Noted ¹ (\$)	Year 25 Electric Cost (\$/kWh)
Bright Eye	NA	\$0.09	\$0.10	\$415,000	\$0.18
Exact Solar	NA	\$0.13	\$0.14	NA	\$0.20
Solar States	410,631	\$0.11	\$0.13	\$680,295	\$0.22
Spotts Brothers	Pay-As-Produced	\$0.11	\$0.10	\$400,000	\$0.12

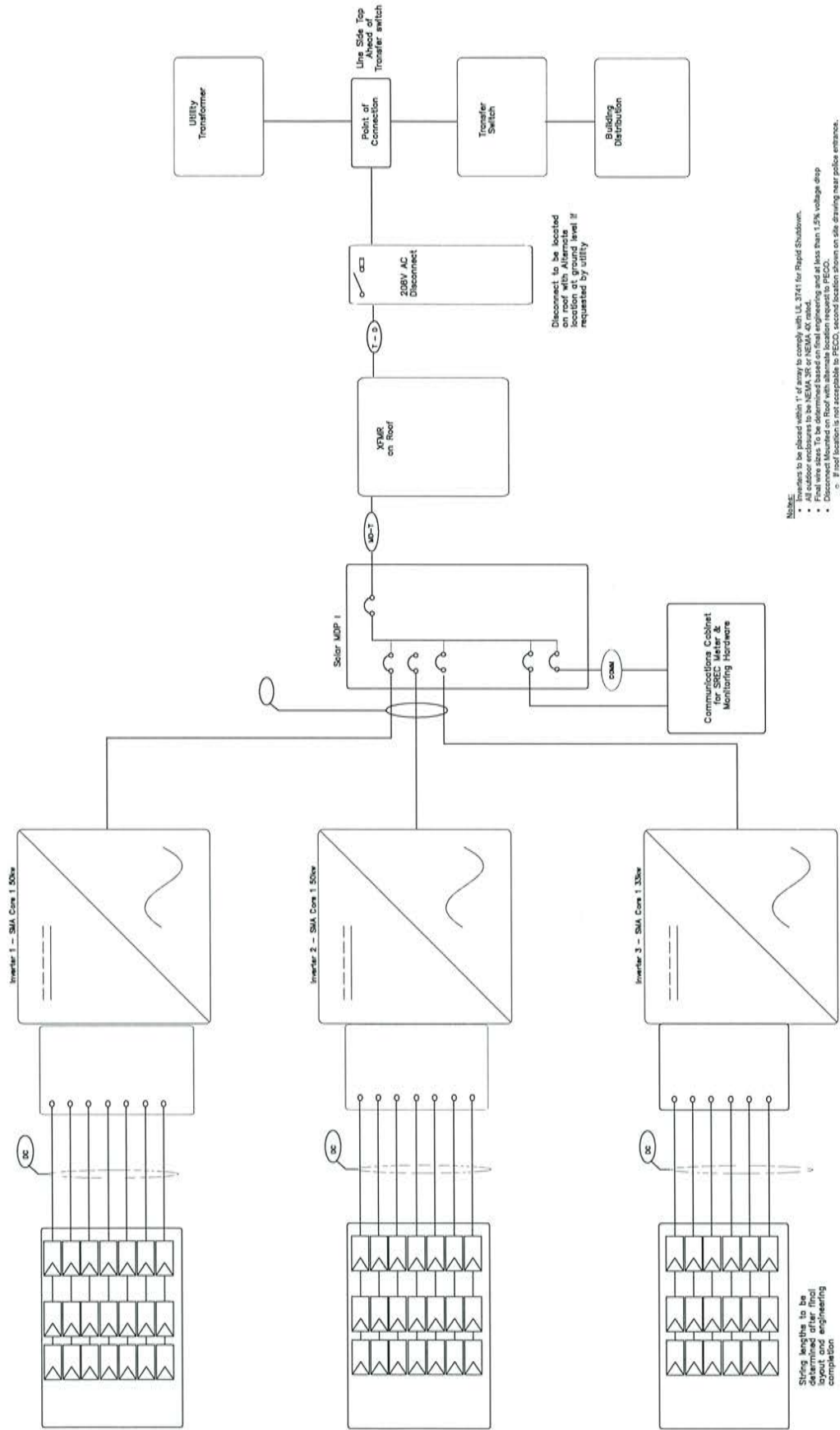
* Denotes Apparent Low Bidder

Springfield Township
Public Works

Project:	
Issue Date:	
Drawing No.	
Date	No.
Description	

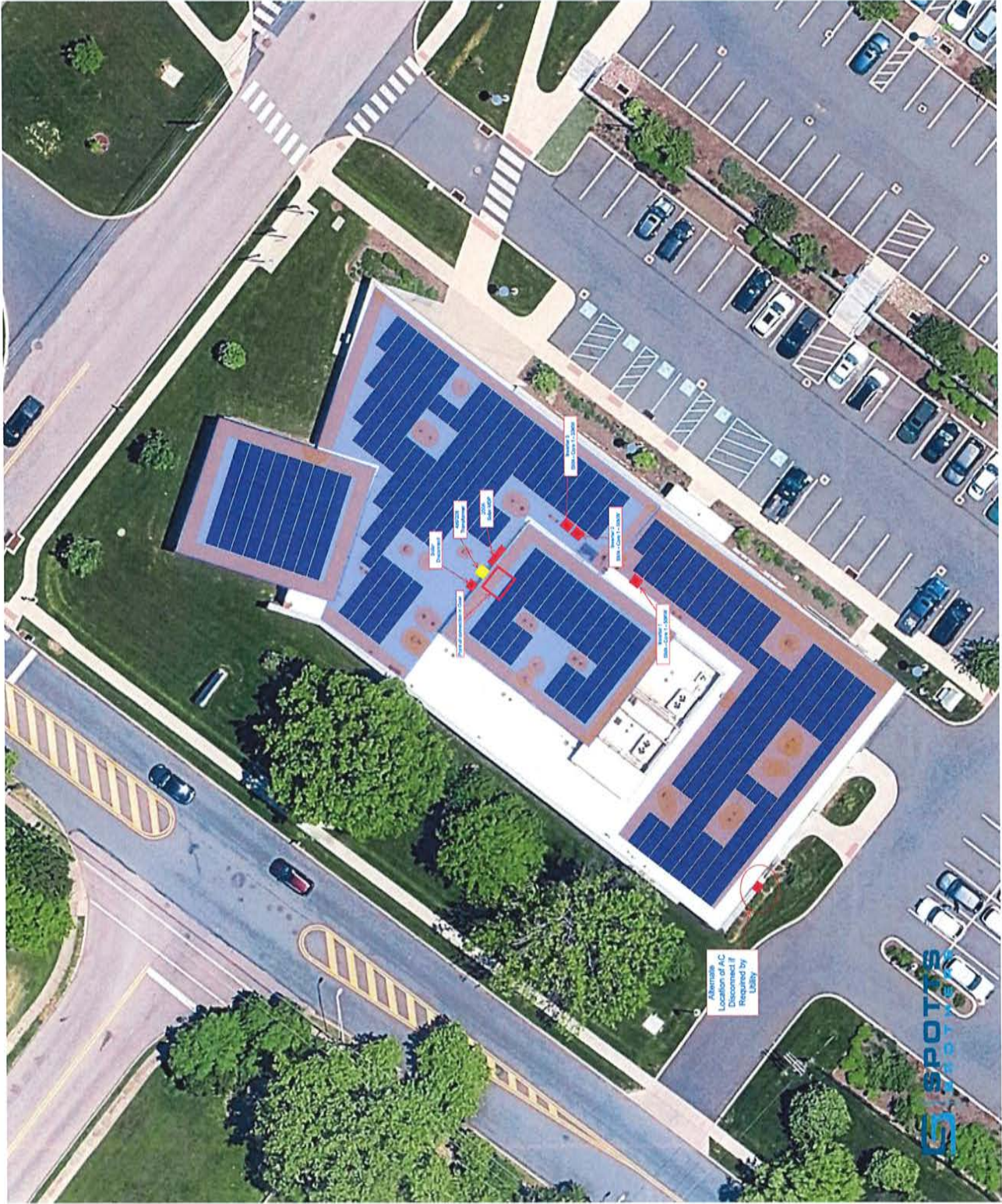
1. All DC wire to be ran in low profile white cable tray under arrays to minimize exposed conduit runs.
2. All AC cable to be ran in cable tray where possible. Rigid Conduit in all other locations.
3. All wire to be copper
4. Rapid Shutdown devices to be utilized in locations where Inverters cannot be placed close enough to racking system to utilize UL 1741
5. SMA Inverters and PanelClaw racking system are UL 1741 certified and include integrated Rapid Shutdown
6. *Overstripping of all roof seams is included, per manufacturers specifications, and completed in house by Spotts Brothers. We are Carlisle and Firestone/ Elevalte Certified installers.
7. Underground ductbank for jumper trench between buildings to be concrete encased if possible to provide extra protection for conduit and conductors.

Solar Array Single Line Drawing
Admin/ Police Building



Notes:

- * Transformers to be placed within 1' of array to comply with UL 3741 for Rapid Shutdown.
- ** All outdoor enclosures to be NEMA 3R or NEMA 4X rated.
- *** If roof location is not acceptable, ground mounting system used at least 1.5% voltage drop
- **** Grounding must be installed per NEC 690.45(B)(1) and 690.46(A).
- ***** Disconnected Mounted on Roof with alternate location required to PECCO.
- ***** If roof location is not acceptable to PECCO, second location shown on site drawing near pole entrance.
- ***** If roof location is not acceptable to PECCO, third location shown on site drawing near pole entrance.
- ***** All AC cables to be run in cable tray where possible. Rigid Conduit in all other locations.
- ***** All wire to be copper
- ***** All wire to be galvneal steel
- ***** Outdoor PPE equipment is included, per manufacturers specifications, and completed in house by Sports Birthers. We are Carlsbad and Escondido based company.



Notes:

1. Utility interconnection to be applied for with PV disconnect located at roof level adjacent to transformer. If applicable, if primary location not acceptable to PECO, 2nd option pointed out at ground level near police door.
2. All DC wire to be ran in low profile white cable tray under arrays to minimize exposed conduit runs.
3. All AC cable to be ran in cable tray where possible. Rigid Conduit in all other locations.
4. All wire to be copper
5. Rapid Shutdown devices to be utilized in locations where inverters cannot be placed close enough to racking system to utilize UL 1741
6. SMA Inverters and PanelClaw racking system are UL 1741 certified and include integrated Rapid Shutdown
7. Overstripping of all roof seams is included, per manufacturers specifications, and completed in house by Spotts Brothers. We are Carlisle and Firestone/ Elevale Certified installers.

Comparable Results Between Original CES Feasibility Study, Spotts Brothers' Modified Proposal and Exact Solar's Modified Proposal

CES Spotts Brothers Exact Solar

Total Solar PV Capacity (kW)	453	389	357
Full Installation Cost	\$1,041,348	\$630,764	\$624,036
Price per Watt Installed (\$/watt)	2.30	1.62	1.75
IRA/ITC Elective Payment (30%)	\$312,404	\$189,229	\$187,211
Act 129 Incentive (\$0.10/kWh - Year 1)	\$57,561	\$45,684	\$41,639
Adjusted Net Installation Cost	\$671,383	\$395,851	\$395,187

Solar Generation (kWh) - Year One	575,605	456,837	416,386
Electricity Usage Offset	112%	89%	81%
Electricity Bill Savings - Year One	\$45,832	\$36,375	\$33,154
SREC Revenue - Year One	\$21,585	\$17,131	\$15,614
Estimated Total Revenue - 30 Years	\$2,403,516	\$1,848,868	\$1,699,896
Estimated Total Expenses - 30 Years	\$1,700,227	\$1,033,418	\$1,015,319

Positive Cashflow Payback (Years)	9.2	5.0	6.0
Net Present Value (NPV)	\$217,902	\$330,213	\$261,856
Internal Rate of Return (IRR)	13.5%	23.6%	19.7%
TOTAL NET SAVINGS OVER 30 YEARS	\$703,289	\$815,450	\$684,576
Total Levelized Cost of Electricity (\$/kWh)	\$0.07399	\$0.05733	\$0.06189
Value of Energy Generated (\$/kWh)	\$0.07005	\$0.07005	\$0.07005

Use of Pesticides and Herbicides at Flourtown Country Club

1. Does FCC apply pesticides* using in-house staff or third-party applicators?

Third Party Applicators only; Current certified applicator is Integrated Turf, LLC

2. If the application of pesticides is performed in-house, who applies the pesticides and what are their certifications?

Application is performed by certified third party applicators only. Current certified applicator possesses a Category 7 Certification for commercial and public applications.

3. Please ask your pesticide applicators to describe the applicable regulations/requirements governing the application of pesticides.

All applicable Federal and State laws and regulations within the provisions of the Federal Pesticide Control Act of 1973 and Chapter 128 issued under the Pennsylvania Pesticide Control Act

4. How are pesticides stored to prevent human contact and spillage?

Pesticides are not stored at Flourtown Country Club. Pesticides are brought to the site, applied as labeled and then removed from the property.

5. Please describe the general schedule and frequency of pesticide application (example: daily, weekly, monthly, quarterly, etc. and the purpose of each application)

Pesticides are applied only as needed, per the recommended label usage rates and intervals, once a minimal threshold is reached in order to limit fungal, weed and insect damage to the playing surfaces. Due to budget constraints, Flourtown Country Club does not apply pesticides unless necessary.

6. What specific types of pesticide products are routinely applied to the grounds of FCC?

Chlorothalonil, Fluazinam, Prothicanazole, Potassium phosphite, and Dicamba

7. What types of alternative pest management strategies are utilized to minimize the use of pesticides?

Efforts are made to use the best maintenance and cultural practices to reduce pesticide use wherever possible; and to ensure the lowest possible rates and maximum intervals.

8. Would it be possible to introduce native vegetation and alternative land management strategies to offset the environmental impact of pesticides? If so, can

you identify how and where they may be utilized without disrupting golf course play while potentially reducing maintenance costs and enhancing biodiversity and aesthetics?

Consideration could be made to introduce both in the areas of the basins (holes 2 and 4)



Original Investigation | Neurology

Proximity to Golf Courses and Risk of Parkinson Disease

Brittany Krzyzanowski, PhD; Aidan F. Mullan, MA; E. Ray Dorsey, MD; Sai Shivani Chirag, MS; Pierpaolo Turcano, MD; Emanuele Camerucci, MD; James H. Bower, MD; Rodolfo Savica, MD, PhD

Abstract

IMPORTANCE The role of pesticide exposure from golf courses in Parkinson disease (PD) risk remains unclear.

OBJECTIVE To assess whether proximity to golf courses is associated with increased PD risk and to use information on groundwater vulnerability and municipal well locations to investigate drinking water contamination as a potential route of exposure.

DESIGN, SETTING, AND PARTICIPANTS This case-control study included patients with incident PD and matched controls from the Rochester Epidemiology Project from 1991 to 2015. Data were analyzed between June and August 2024.

EXPOSURES Distance to golf courses, living in water service areas with a golf course, living in water service areas in vulnerable groundwater regions, living in water service areas with shallow municipal wells, and living in water service areas with a municipal well on a golf course.

MAIN OUTCOME AND MEASURES Risk of incident PD. All models adjusted for age, sex, race and ethnicity, year of index, median household income, and urban or rural category.

RESULTS A total of 419 incident PD cases were identified (median [IQR] age, 73 [65-80] years; 257 male [61.3%]) with 5113 matched controls (median [IQR] age, 72 [65-79] years; 3043 male [59.5%]; 4504 White [88.1%]). After adjusting for patient demographics and neighborhood characteristics, living within 1 mile of a golf course was associated with 126% increased odds of developing PD compared with individuals living more than 6 miles away from a golf course (adjusted odds ratio [aOR], 2.26; 95% CI, 1.09-4.70). Individuals living within water service areas with a golf course had nearly double the odds of PD compared with individuals in water service areas without golf courses (aOR, 1.96; 95% CI, 1.20-3.23) and 49% greater odds compared with individuals with private wells (aOR, 1.49; 95% CI, 1.05-2.13). Additionally, individuals living in water service areas with a golf course in vulnerable groundwater regions had 82% greater odds of developing PD compared with those in nonvulnerable groundwater regions (aOR, 1.82; 95% CI, 1.09-3.03).

CONCLUSIONS AND RELEVANCE In this population-based case-control study, the greatest risk of PD was found within 1 to 3 miles of a golf course and risk generally decreased with distance. Associations with the largest effect sizes were in water service areas with a golf course and in vulnerable groundwater regions.

JAMA Network Open. 2025;8(5):e259198. doi:10.1001/jamanetworkopen.2025.9198

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JAMA Network Open. 2025;8(5):e259198. doi:10.1001/jamanetworkopen.2025.9198

Key Points

Question Does living within proximity to a golf course affect the risk of Parkinson disease (PD)?

Findings This case-control study found the greatest risk of PD within 1 to 3 miles of a golf course, and that this risk generally decreased with distance. Effect sizes were largest in water service areas with a golf course in vulnerable groundwater regions.

Meaning These findings suggest that pesticides applied to golf courses may play a role in the incidence PD for nearby residents.

+ Supplemental content

Author affiliations and article information are listed at the end of this article.

Introduction

Parkinson disease (PD) is a neurodegenerative disease likely caused by a complex interaction between environmental factors¹⁻³ and genetic predisposition.⁴⁻⁶ Among the environmental risk factors, pesticide exposure has been linked to increased risk of PD.⁷⁻¹² Golf courses are often treated with pesticides to maintain the aesthetic standards for putting greens and fairways,¹³ and in the US, pesticide application to golf courses can be up to 15 times higher compared with countries in Europe.¹⁴ One report anecdotally implicated proximity to golf courses as a risk factor for PD.¹⁵ Furthermore, pesticides applied to golf courses can leach into the groundwater and contaminate drinking water.^{16,17}

Despite the possible risks, research on pesticide exposure from golf courses and PD remains sparse. For this reason, we conducted a population-based study using data from the Rochester Epidemiology Project (REP) medical records-linkage system to explore the association between incident PD and proximity to 139 golf courses within a 16 119 square mile multicounty study region in southern Minnesota and Western Wisconsin. We hypothesized that individuals with addresses history in proximity to golf courses would have greater risk of incident PD compared with those who lived further away. Additionally, we hypothesized that we would observe greater risk of PD in individuals living within water service areas: (1) with a golf course, (2) on vulnerable groundwater regions, or (3) with shallow municipal wells.

Methods

A review waiver and exemption of informed consent was granted by the Mayo Clinic institutional reviewer board, and use of medical records had Minnesota research authorization. Results conform to Strengthening the Reporting of Observational Studies in Epidemiology (STROBE) reporting guideline.

Assessment of Parkinson Disease

We identified patients with PD in Olmsted County from 1991 to 2015 using codes from the *International Classification of Diseases, Ninth Revision (ICD-9)* (332.0, 333.0, 331.82) and *International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10)* (G20, G21, G23.1, G23.2, G31.83) within the REP medical records-linkage system.¹⁸ The medical records of all patients identified by ICD codes were reviewed by a movement disorder specialist (R.S.) to confirm the diagnosis and determine date of motor symptom onset. Both motor and cognitive symptoms were reviewed during diagnosis,¹⁸ and concordance between clinical and pathological diagnoses was confirmed in a subset of patients who underwent brain autopsy.¹⁹ Although PD cases were required to be living in Olmsted County at symptom onset, they were not required to have lived in Olmsted County before that date. Controls were identified from the 27-county REP study region in Minnesota and Wisconsin.²⁰ Controls were matched to PD cases on sex and age at index date (date of PD symptom onset for the matched case) using a 20:1 match because we expected controls to have less residency information compared with PD cases given the prodromal period and the arbitrary nature of the index date. All controls were required to not have any ICD codes for PD prior to the index date or up to 5 years following.

Proximity to Golf Courses

Data on golf course locations in 2013 were collected from Esri Business Analyst²¹ for 139 golf courses within the 27-county REP study region. We included golf courses beyond the perimeter of the study area so that we could calculate accurate distance values for those living at the edge of our study region. Golf course center points were converted to polygon boundaries outlining the course using manual digitization and satellite imagery in ArcPro version 10.0 (Environmental Systems Research Institute) (Figure 1). The distance in miles to the edge of the nearest golf course specific to each PD

patient and control was identified based on the latitude and longitude of their home address of residency (eFigure 1 in Supplement 1). The home address 2 or 3 years prior to PD symptom onset (for individuals with PD) or index date (controls) was used to calculate distance to allow for a delay between potential environmental exposure and the development of PD motor symptoms.

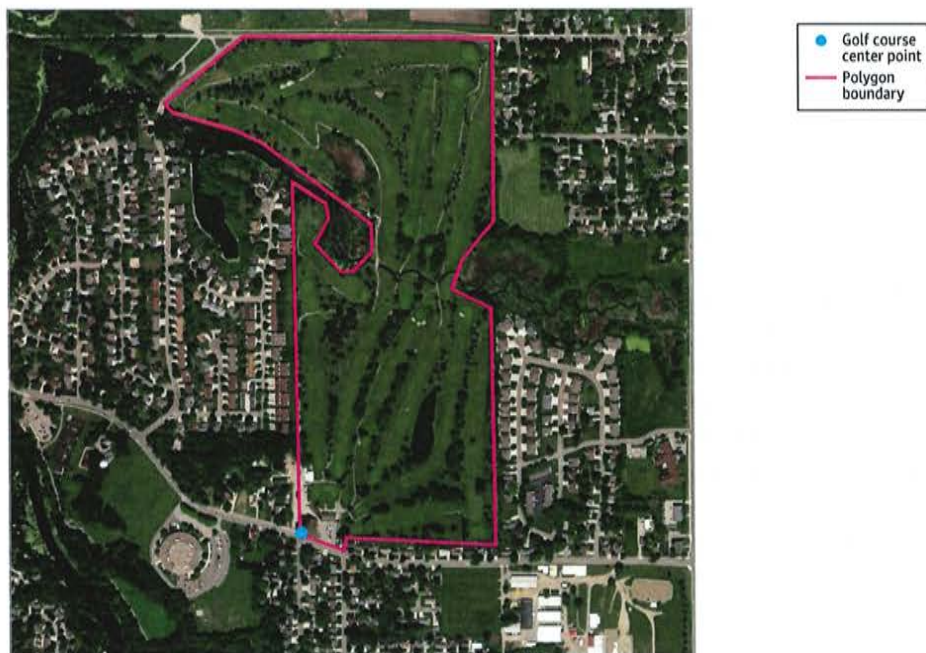
Water Service Area, Groundwater Vulnerability, and Municipal Wells

Data on 224 water service areas in our 27-county REP study area were collected from the US Geological Survey. Water service area data were categorized as either service areas where tap water comes from (1) groundwater resources, (2) surface water resources, or (3) private wells, wherein everyone living within the same water service area is often distributed water from the same shared or community drinking water resource (groundwater or surface water) and everyone outside of water service areas gets their drinking water from private wells. Water service areas were also categorized as either containing a golf course or not containing a golf course. Additionally, we also obtained high resolution data on groundwater vulnerability for the state of Minnesota from the Minnesota Department of Agriculture wherein groundwater vulnerability was defined as regions with coarse textured soils, shallow bedrock, or karst geology. Groundwater vulnerability is relevant to drinking water sourced from groundwater and private wells. We assigned water service areas as being either within a vulnerable groundwater region or within a nonvulnerable groundwater region (eFigure 2 in Supplement 1). Finally, we obtained data on the locations of 711 municipal wells in southeastern Minnesota from the Minnesota Geospatial Information Office and assigned water service areas as having either no municipal wells on golf courses or at least 1 municipal well on a golf course; and water service areas containing deep municipal wells (100 ft or deeper) or at least 1 shallow municipal well (less than 100 ft deep).

Statistical Analysis

In our case-control study, we modeled the exposure (distance to nearest golf course) as a continuous variable (in miles). The association between risk of PD and proximity to nearest golf course was evaluated using piecewise linear splines to account for differences in the association at closer or farther distances.²² The placement of an intersection knot between linear splines was determined

Figure 1. Overhead Satellite Image of Golf Course Map With Polygon Boundaries



Golf course center points were converted to polygon boundaries outlining the course using manual digitization and satellite imagery for the year 2022 from ESRI, Maxar, and Earthstar Geographics. Imagery from Esri, Maxar, Earthstar Geographics, and the GIS User Community, 2024.

using bootstrap resampling²³ optimized on the out-of-bag area under the receiver operating characteristics (ROC) curve. Candidate knots were considered at all half-mile intervals. Additionally, we also modeled the distance to the nearest golf course as a categorical variable (less than 1, 1 to 2, 2 to 3, 3 to 6, and over 6 miles) to allow our results to be more easily compared with other studies.

Logistic regression was used with PD as the outcome and distance to nearest golf course as the exposure variable, adjusting for age, sex, race, ethnicity, year of index, block group-level median household income in 2010,²⁴ residency Rural Urban Commuting Area (RUCA) from 2010,²⁵ and health care utilization. RUCA designation was categorized as urban (coded as 1), suburban (2 to 6), and rural (7 to 10). Health care utilization prior to the index date was defined as the mean number of days per year with at least ICD-9 or ICD-10 code recorded in the medical record, averaged over the 5 years prior to the index date. Results were reported as adjusted odds ratios (aORs) with 95% CIs. Secondary analysis evaluated the association between water service area characteristics and risk of developing PD. The primary water service area characteristics were type of water service area (groundwater with a golf course, groundwater without a golf course, and private well), groundwater vulnerability (vulnerable groundwater with a golf course, vulnerable groundwater without a golf course, nonvulnerable groundwater with a golf course, and nonvulnerable groundwater without a golf course), minimum well depth in the water service area (shallow [less than 100 ft] or deep [100 ft or deeper]), and location of municipal wells (at least 1 well on a golf course vs no wells on a golf course). As a sensitivity analysis, we repeated our analysis after stratifying by RUCA (comparing our results with results of those living in urban areas). A secondary sensitivity analysis was performed which restricted to controls selected from Olmstead County. Analysis was conducted with R version 4.2.2 (R Project for Statistical Computing). All tests were 2-sided with a threshold of significance of $P < .05$.

Results

Characteristics of Incident Cases

There were 450 incident cases of PD from Olmsted County identified from 1991 to 2015 with 9000 controls matched by age and sex. After excluding PD cases and controls for incomplete residency data prior to the index date (6.9% of cases and 39.0% of controls), there were 419 individuals with PD (median [IQR] age at diagnosis, 73 [65-80] years; 257 male [61.3%]) and 5113 controls (median [IQR] age at index, 72 [65-79] years; 3043 male [59.5%]) included for analysis (Table 1). Although all PD cases had an Olmsted County address at the time of symptom onset, address history data revealed PD cases with previous addresses in 22 of the 27 counties in the study region. The median (IQR) number of addresses recorded in the medical record was 1 (1-2) and the median (IQR) time lived at these addresses was 18.5 (6.0-43.1) years, suggesting that our population was relatively stable in terms of their mobility.

Risk of Parkinson Disease

The proximity to the nearest golf course prior to the index date was a median (IQR) distance of 1.72 (1.21-2.27) miles among individuals with PD and 1.98 (1.19-4.28) miles among controls (Wilcoxon rank-sum, $P < .001$). When modeled linearly, the odds for PD decreased by 9% (aOR, 0.91; 95% CI, 0.85-0.98) for every 1-mile increase in distance from a golf course up to 18 miles. The nonlinear association between odds of PD and proximity to a golf course is shown in Figure 2. The odds of PD were relatively constant within close proximity to a golf course and decreased linearly as distance increased; individuals living farther from a golf course had reduced odds of PD, decreasing relative to the distance from the nearest golf course. This was characterized by using linear splines with a regression knot optimized at 3 miles. The odds of PD were not associated with distance from the nearest golf course for those with a pre-index address within 3 miles (per-mile increase: aOR, 0.98; 95% CI, 0.84-1.11) whereas for those farther than 3 miles from a golf course, each additional mile farther from a golf course reduced the odds of PD by 13% (per-mile increase: aOR, 0.87; 95% CI, 0.77-0.98). A likelihood ratio test comparing the spline model with a linear model favored the nonlinear

spline for modeling risk of PD ($P < .001$). There was also positive association between living in proximity to golf course and risk of PD when proximity was modeled as a categorical variable, wherein living within 1 mile of a golf course was associated with 126% increased odds of PD compared with those living farther than 6 miles away from a golf course (aOR, 2.26; 95% CI, 1.09-4.70) (Table 2). There was a modest dose response wherein the odds of PD increased by 198% at 1 to 2 miles (aOR, 2.98; 95% CI, 1.46-6.06), 121% at 2 to 3 miles (aOR, 2.21; 95% CI, 1.06-4.59), and 92% at 3 to 6 miles (aOR, 1.92; 95% CI, 0.91-4.04) when compared with those living farther than 6 miles away. Our fully adjusted model demonstrated good model fit (Hosmer-Lemeshow $P = .12$) and very good calibration (Brier score = 0.060) (eFigure 3 in Supplement 1). As a sensitivity analysis, we also repeated our primary analysis after stratifying by RUCA and found that the association between proximity to golf course and PD were stronger in urban areas (eTable 1 in Supplement 1). In our secondary sensitivity analysis, in which we used controls selected from Olmstead County, we found that results remained consistent (eTables 2-3 in Supplement 1).

Individuals getting their tap water from groundwater water service areas with a golf course had nearly doubled odds of PD compared with individuals getting tap water from groundwater water service areas without golf courses (aOR, 1.96; 95% CI, 1.20-3.23) and 49% greater odds of PD compared with individuals getting drinking water from private wells (aOR, 1.49; 95% CI, 1.05-2.13) (Table 3). Our analysis using data on groundwater vulnerability revealed that individuals getting their

Table 1. Characteristics of Incident Parkinson Disease (PD) Cases and Controls

Characteristics	Individuals, No. (%)	
	PD cases (n = 419)	Controls (n = 5113)
Age at index, median (IQR), y	73 (65-80)	72 (65-79)
Sex		
Female	162 (38.7)	2070 (40.5)
Male	257 (61.3)	3043 (59.5)
Race		
American Indian or Alaskan Native	1 (0.2)	9 (0.2)
Asian	6 (1.4)	54 (1.1)
Black or African American	5 (1.2)	29 (0.6)
Hawaiian or Pacific Islander	1 (0.2)	1 (<0.1)
White	403 (96.2)	4504 (88.1)
Other ^a or multiple races	5 (0.7)	77 (1.3)
Unknown or did not disclose	0	449 (8.9)
Ethnicity		
Hispanic or Latino	7 (1.7)	46 (0.9)
Not Hispanic or Latino	412 (83)	4621 (90.4)
Unknown or did not disclose	0	446 (8.7)
Median household income, median (IQR), thousands \$	63.4 (51.4-83.4)	55.6 (46.2-68.0)
RUCA classification		
Urban	337 (80.4)	1557 (30.5)
Suburban	77 (18.4)	2329 (45.6)
Rural	5 (1.2)	1227 (24.0)
Water source		
Groundwater	363 (86.6)	3913 (76.5)
Surface water	0	56 (1.1)
Private well water	56 (13.4)	1144 (22.4)
Pre-index health care utilization, median (IQR), d	8.4 (4.0-15.1)	0.6 (0.0-4.8)
Distance to nearest golf course, median (IQR), miles	1.72 (1.21-2.27)	1.98 (1.19-4.28)

Abbreviation: RUCA, Rural Urban Commuting Area.

^a Other was reported directly in medical record and not otherwise defined.

tap water from water service areas with a golf course in vulnerable groundwater regions had 82% greater odds of PD compared with those in nonvulnerable water service areas with a golf course (aOR, 1.82; 95% CI, 1.09-3.03) and 92% greater odds of PD compared with individuals living in water service areas without a golf course (aOR, 1.92; 95% CI, 1.06-3.45) (Table 3). Additionally, after adding an adjustment for proximity to golf course (as a categorical variable), individuals in vulnerable water service areas had nearly twice the odds for PD compared with individuals getting water from nonvulnerable service areas (aOR, 1.99; 95% CI, 1.30-3.04; $P = .001$). Similar results were found when adjusting for proximity to golf course as linear splines (vulnerable water: aOR, 2.02; 95% CI, 1.33-3.09; $P = .001$). Finally, our analysis of municipal wells revealed no association between PD risk and living in water service areas with a shallow municipal well (aOR, 0.63; 95% CI, 0.24-1.64) or with a municipal well on a golf course (aOR, 0.56; 95% CI, 0.21-1.50) (eTable 4 in Supplement 1).

Figure 2. Nonlinear Association Between Odds of Parkinson Disease (PD) and Proximity to a Golf Course

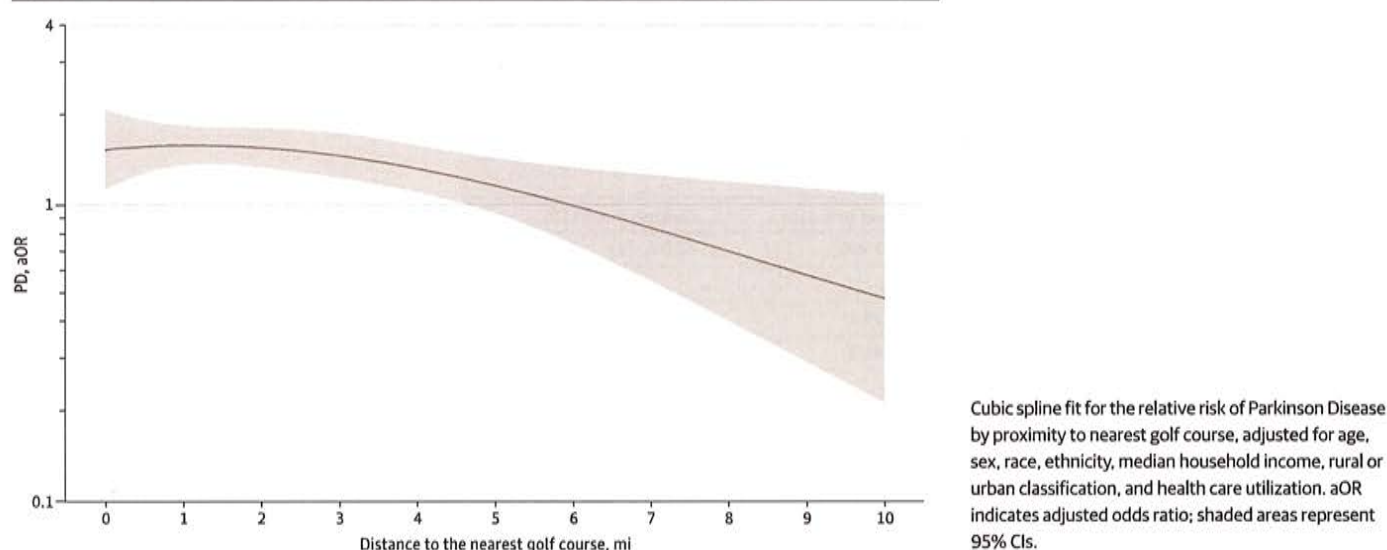


Table 2. Association Between Proximity to Golf Courses and Risk of Parkinson Disease (PD) Compared With Those Living Farthest Away in the 27-County Rochester Epidemiology Project Study Region

Proximity to golf course, miles	All patients, No. (%) ^a		Adjusted for patient demographics ^b		Further adjusted for region characteristics ^b		Further adjusted for vulnerable groundwater ^c	
	PD (n = 419)	Controls (n = 5113)	aOR (95% CI)	P value	aOR (95% CI)	P value	aOR (95% CI)	P value
Categorical								
>6	9 (1.1)	807 (98.9)	1 [Reference]	NA	1 [Reference]	NA	1 [Reference]	NA
<1	78 (7.3)	987 (92.7)	7.23 (3.60-14.51)	<.001	2.26 (1.09-4.70)	.03	2.43 (1.16-5.09)	.02
1-2	207 (11.4)	1605 (88.6)	12.38 (6.31-24.27)	<.001	2.98 (1.46-6.06)	.003	2.62 (1.28-5.39)	.01
2-3	82 (9.3)	801 (90.7)	9.53 (4.75-19.12)	<.001	2.21 (1.06-4.59)	.03	2.06 (0.97-4.35)	.06
3-6	43 (4.5)	913 (95.5)	4.38 (2.12-9.04)	<.001	1.92 (0.91-4.04)	.09	2.01 (0.96-4.21)	.07
Cubic splines								
0-3 ^d	367 (9.8)	3393 (90.2)	1.05 (0.92-1.19)	.49	0.98 (0.84-1.11)	.63	0.97 (0.77-1.22)	.79
>3 ^e	52 (2.9)	1720 (97.1)	0.62 (0.54-0.71)	<.001	0.87 (0.77-0.98)	.03	0.87 (0.77-0.99)	.03

Abbreviations: aOR, adjusted odds ratio; NA, not applicable.

^a Percentages were calculated row-wise.

^b Demographic variables included age, sex, race, and ethnicity. Region characteristics included median household income, Rural Urban Commuting Area classification, and health care utilization.

^c Excludes populations outside of Minnesota.

^d aORs for 0-3 miles represent the change in odds for PD per 1-mile increase in distance to a golf course within 3 miles.

^e aORs for more than 3 miles represent the change in odds for PD per 1-mile increase in distance to a golf course beyond 3 miles.

Discussion

In this population-based case-control study, living close to a golf course was associated with an increased risk of developing PD. We observed that risk of developing PD was greatest for those living within 1 to 3 miles of a golf course and that the risk of PD generally decreased with increasing distance from a golf course. We also found that individuals getting their drinking water from water service areas with a golf course had nearly double the odds of PD compared with individuals getting drinking water from water service areas without a golf course. Additionally, the largest effect sizes were for the association of living within a water service area with a golf course in a vulnerable groundwater region.

For years pesticides including organophosphates,²⁶ chlorpyrifos,²⁷ methylchlorophenoxypropionic acid (MCP),²⁸ 2,4-dichlorophenoxyacetic acid (2,4-D),²⁸ maneb,²⁸ and organochlorines,²⁹ known to be associated with the development of PD, have been used to treat golf courses. Some studies have identified a link between golf courses and increased risk of adverse health outcomes.^{26,30,31} Pesticides such as paraquat and rotenone have been shown to induce Parkinson-like neurodegeneration in the substantia nigra, primarily through mechanisms involving oxidative stress, mitochondrial dysfunction, and dopaminergic neuron apoptosis.^{10,32} However, despite the biological plausibility, very few studies have explored the role of pesticide exposure from golf courses on risk of PD. One study of golf course superintendents found a pattern of pesticide related cancers with a small portion of participants (2 individuals) developing PD.³⁰ Another report provided anecdotal evidence of the possible role of golf courses in the development of PD, finding that 19 of 26 patients with PD in a study cohort lived within 2 miles of a golf course.¹⁵

In our study, after adjusting for socioeconomic and demographic characteristics, the risk of PD was greatest near golf courses. However, there was no difference in PD risk within 3 miles and decreasing levels of risk beyond 3 miles. One possible explanation for the lack of an association within 3 miles was a possible ceiling effect at the higher levels of exposure. Another possible explanation was that exposure may occur through the consumption of a shared, contaminated, groundwater resource in a water service area. Groundwater collected from municipal wells is sent to a water tower where it is treated, pressurized, stored, and distributed to all the residents within the water service area. In our study, 90% of individuals living within 3 miles of a golf course also lived within the

Table 3. Association Between Living Within a Water Service Area With and Without Golf Courses on Vulnerable and Nonvulnerable Groundwater Regions and Risk of Parkinson Disease (PD) in Southern Minnesota

Water service area type	All patients, No. (%) ^{a,b}		Adjusted for patient demographics ^{c,b}		Further adjusted for region characteristics ^{c,b}	
	PD patients (n = 418)	Controls (n = 3996)	aOR (95% CI)	P value	aOR (95% CI)	P value
Groundwater with golf course ^d	342 (13.3)	2227 (86.7)	1 [Reference]	NA	1 [Reference]	NA
Groundwater without golf course	20 (2.1)	948 (97.9)	0.13 (0.08-0.20)	<.001	0.51 (0.31-0.83)	.01
Private well	56 (6.4)	821 (93.6)	0.41 (0.31-0.55)	<.001	0.67 (0.47-0.95)	.02
Groundwater vulnerability						
Total, No.	362	3175	NA	NA	NA	NA
Vulnerable groundwater with golf course	319 (16.4)	1629 (83.6)	1 [Reference]	NA	1 [Reference]	NA
Vulnerable groundwater with no golf course	14 (2.8)	484 (97.2)	0.14 (0.08-0.23)	<.001	0.74 (0.43-1.27)	.28
Nonvulnerable groundwater with golf course	23 (3.7)	598 (96.3)	0.18 (0.12-0.29)	<.001	0.55 (0.33-0.92)	.02
Nonvulnerable groundwater with no golf course	6 (1.3)	464 (98.7)	0.10 (0.06-0.16)	<.001	0.52 (0.29-0.94)	.03

Abbreviations: aOR, adjusted odds ratio; NA, not applicable.

^a Percentages were calculated row-wise.

^b Excludes populations outside of Minnesota.

^c Demographics included age, sex, race, and ethnicity. Region characteristics included median household income, Rural Urban Commuting Area classification, and health care utilization.

^d aORs are reported using the exposed group as the reference in this table and reported for the exposed group in the text (inverse).

boundaries of a water service area serviced with groundwater. Thus, individuals living within the same water service area usually rely on a shared groundwater resource and would therefore receive the same exposure. Nevertheless, we acknowledge that the complexity of the water distribution process varies from city to city and therefore it is possible that not all individuals within the same water service area share the same water resource (eg, in the case of a water service area with multiple water towers). Our study area reflects rural, suburban, and relatively slow-growing major metropolitan cores; thus, we expect the water distribution process to be less complex compared with that of faster growing cities.

Several studies have provided evidence of the ability for pesticides applied to golf courses to leach into the ground and contaminate drinking water supplies.^{16,17,33,34} For instance, 1 study¹⁶ found that the groundwater under 4 different golf courses in Cape Cod was contaminated with 7 different pesticides, including chlorpyrifos and 2,4-D among others. In this study, 1 pesticide was present in the drinking water at levels more than 200 times greater than the health guidance level. In our study, 77.3% of our patient population (86.6% of cases and 76.5% of controls) lived in water service areas that relied on groundwater resources.

Airborne exposure to pesticides may also drive the relationship between PD risk and proximity to golf courses. In our study, we found that the association between proximity to golf course and PD remained (for those living within 1 to 2 miles) after adjusting for groundwater vulnerability. Moreover, we found larger effect sizes for the association between distance to golf course and PD risk in the urban areas, and thus we speculate that greater city density surrounding golf courses in urban areas may lead to higher levels of airborne pollutant exposure for the nearby residences. Taken together, our study complements, and expands on, the limited research on golf courses as a risk factor for PD and further suggests that both vulnerable drinking water and airborne pollutant exposure may contribute to risk for developing PD near golf courses. Public health policies to reduce the risk of groundwater contamination and airborne exposure from pesticides on golf courses may help reduce risk of PD in nearby neighborhoods.

Strengths and Limitations

Our study has several strengths. First, we used population-based incidence data, which allows us to better answer questions of PD etiology. Second, rather than relying on ICD codes alone, all identified cases were screened by a movement disorder specialist to confirm the onset and diagnosis of PD. Third, our study used address-level data to assign exposure, which provides more accurate distance-to-exposure values compared with studies using less precise location information (eg, zip code centers). Fourth, we digitized and screened our golf course data manually to confirm the correct placement of the golf course boundaries in 2013. Fifth, we integrated data on water service areas, which enabled us to determine whether an individual received drinking water from a groundwater resource, surface water, or a private well.

Our study also has limitations. Our population-based dataset had a limited geographical extent. However, the REP captures data from patients for all health systems within our study area, making it a comprehensive population-based dataset.²⁰ Our study was limited in that the population is predominantly White given the demographics of the study region and therefore might limit the generalizability of our results. However, our REP data well replicates other PD-exposure relationships found in diverse cohorts such as the US Medicare population.¹ Additionally, we acknowledge that requiring PD cases to have an Olmsted County residence at the time of diagnosis is a limitation in our study design. Despite this constraint, our sensitivity analysis, which used controls selected from Olmsted County, provided consistent results. We did not have information on occupational history, thus results may be vulnerable to exposure misclassification errors (ie, for patients who spend more time at locations other than their home address). Our study did not consider other relevant PD risk factors (eg, head trauma, genetic predisposition). Due to the long prodromal period of PD,³⁵ we obtained data on golf course locations for the earliest possible year of data available (2013). Although this year of exposure data provided a minimal exposure window, we speculate that most of the golf

courses identified in our study existed for many years prior to 2013. Notably, given the long prodromal period of PD, our study uses distance as a proxy to estimate exposure to pesticides occurring many decades ago, which may not reflect the same pesticides applied on these golf courses in recent years. Nevertheless, even if golf courses were present decades earlier, our results were based on home address information 2 to 3 years prior to symptom onset, which does not capture the complete prodromal period. Our population was relatively stable, living at their address for approximately 6 to over 43 years. We were unable to extend address history back further than 3 years because residency data becomes more incomplete the further we move back in time due to lack of interaction with the health care system.

Conclusions

This population-based case-control study provides evidence in support of an association between living within proximity to golf courses and the risk of developing PD. Shorter distances from golf courses were associated with an increased risk of PD compared with those living farther away. Associations with the largest increase in odds was found in individuals living within water service areas with a golf course and in vulnerable ground water regions.

ARTICLE INFORMATION

Accepted for Publication: February 27, 2025.

Published: May 8, 2025. doi:10.1001/jamanetworkopen.2025.9198

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Author Contributions: Dr Krzyzanowski and Mr Mullan had full access to all of the data in the study and take responsibility for the integrity of the data and the accuracy of the data analysis.

Concept and design: Krzyzanowski, Mullan, Dorsey, Turcano, Savica.

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Drafting of the manuscript: Krzyzanowski, Mullan, Savica.

Critical review of the manuscript for important intellectual content: All authors.

Statistical analysis: Krzyzanowski, Mullan, Chirag.

Supervision: Turcano, Camerucci, Bower, Savica.

Conflict of Interest Disclosures: Dr Dorsey reported receiving honoraria from Adivo Associates France, American Neurological Association, Dartmouth College, Elsevier, HMP Education, International Parkinson and Movement Disorder Society, Massachusetts Medical Society, Michael J. Fox Foundation, National Institutes of Health, National Multiple Sclerosis Society, Northwestern University, Patient-Centered Outcomes Research Institute, Philadelphia Neurological Society, Stanford University, Stony Brook University, Sutter Health, Texas Neurological Society, and University of Toronto; he reported receiving consulting fees from Abbott, Abbvie, Acadia, Acorda Therapeutics, Advanra, Aspen Neuroscience Inc, Bial Pharmaceuticals, Biogen, Biohaven Pharmaceuticals, BioSensics, Boehringer Ingelheim, Caraway Therapeutics, Cerevance, CuraSen, DConsult2, Denali Therapeutics, Eli Lilly, Genentech, HanAll BioPharma, Health & Wellness Partners, HMP Education, Kairos Cinema LLC (PBS), Karger, KOL Groups, Life Sciences Consultant, Mediflix, Medrhythms, Merck, Mitsubishi Tanabe Pharma America Inc, MJH Holdings, NACCME, Novartis, Otsuka, Praxis Medicine, Remepy, Sanofi, Seelos Therapeutics, Spark Therapeutics, Springer Healthcare, Theravance Biopharmaceuticals, VivoSense, WebMD; he reported receiving grants from Averitas Pharma, Biogen, Burroughs Wellcome Fund, Michael J. Fox Foundation, National Institutes of Health,

Pfizer, Photopharmics, and Roche, Safra Foundation; and he reported ownership interests in Included Health, Mediflix, SemCap, and Synapticure outside the submitted work. Dr Bower reported grants from Novartis and Amylyx Pharmaceuticals outside the submitted work. No other disclosures were reported.

Funding/Support: Dr Savica received support from the National Institute on Aging, the National Institute of Neurological Disorders and Stroke, the Parkinson's Disease Foundation, Acadia Pharmaceuticals, and Michael J. Fox Foundation. Design and conduct of the study and the collection, management, analysis, and interpretation of the data was made possible using the resources of the Rochester Epidemiology Project, which is supported by the National Institute on Aging of the National Institutes of Health (Award No. R01AG034676).

Role of the Funder/Sponsor: The funders had no role in the design and conduct of the study; collection, management, analysis, and interpretation of the data; preparation, review, or approval of the manuscript; and decision to submit the manuscript for publication.

Data Sharing Statement: See Supplement 2.

Additional Contributions: We thank the staff of Neuroscience Publications at Barrow Neurological Institute for assistance with manuscript preparation. We also acknowledge Carol Luukkonen, PhD, Richard Niswonger, PhD, and Cheryl Dieter, MS, of the United States Geological Survey (USGS) as well as Jordan Mayer, MS, at MnGEO and University of Minnesota for their assistance with obtaining data.

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SUPPLEMENT 1.

eTable 1. Sensitivity Analysis for RUCA

eTable 2. Differences Between Olmsted and Non-Olmsted Controls

eTable 3. Primary Analysis With Olmsted Controls

eTable 4. Association Between Minimum Municipal Well Depth Within a Water Service Area (WSA) and Risk of Parkinson Disease and Association Between Presence of Municipal Well on a Golf Course and Risk of Parkinson Disease in the 27-County Rochester Epidemiology Project Study Area

eFigure 1. A Contour Map Showing the Distance in Miles to the Edge of the Nearest Golf Course in Southeast Minnesota and Northwest Wisconsin

eFigure 2. A Map of Water Service Areas and Golf Courses on Vulnerable and Non-Vulnerable Ground Water

eFigure 3. Standard Calibration Plot for Predicting Risk of PD Using Categorical Proximity to Golf Course, Patient Demographics, and Region Characteristics (Brier Score 0.060)

SUPPLEMENT 2.

Data Sharing Statement

**SECOND AMENDMENT TO LEASE
DATED MAY 1, 2006, AS AMENDED BY A CERTAIN FIRST AMENDMENT TO
LEASE AGREEMENT DATED OCTOBER 29, 2008
(COLLECTIVELY, THE "LEASE"),
BY AND BETWEEN
TOWNSHIP OF SPRINGFIELD ("LESSOR") AND
TJKFCC, LLC ("LESSEE")
FOR THE PROPERTY KNOWN AS THE FLOURTOWN COUNTRY CLUB
(THE "PREMISES")**

BACKGROUND:

WHEREAS, Lessor and Lessee are parties to the above-referenced Lease; and

WHEREAS, the Lease provided for an initial Term expiring December 31, 2020 and an Option to Extend for one (1) additional five (5) year term (defined in the Lease and in this Second Amendment to Lease as the "Extension Period"); and

WHEREAS, Lessee exercised the Option to Extend under the Lease and the Term of the Lease was extended for the Extension Period, which will expire December 31, 2025, in accordance with the terms of the Lease; and

WHEREAS, Lessee has approached the Lessor with a proposal to extend the Term (which includes the Extension Period) for an additional three (3) year term commencing January 1, 2026, and Lessor and Lessee have agreed to extend the Term of the Lease as proposed, subject to the terms and conditions set forth herein.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound hereby, Lessor and Lessee hereby agree that the Lease, as amended, is further amended and supplemented as follows:

1. Extension of Term. The Term of the Lease, is hereby extended for a period of three (3) years, commencing on January 1, 2026, and ending on December 31, 2028 (the "Second Extension Period"). "Term" as used in the Lease shall include the initial Term, the Extension Period, and the Second Extension Period described in this Second Amendment to Lease.

2. Rent. The Rent for the Second Extension Period shall be as follows:

<u>YEAR</u>	<u>MINIMUM ANNUAL RENT</u>
Year 1: 2026 (January 1, 2026 – December 31, 2026)	\$ 200,000.00
Year 2: 2027 (January 1, 2027 – December 31, 2027)	\$ 210,000.00
Year 3: 2028 (January 1, 2028 – December 31, 2028)	\$ 220,000.00

Rent shall be payable in five (5) equal payments in accordance with the terms and conditions of the Lease, as amended by this Second Amendment to Lease.

3. Percentage Rent. Upon the commencement of the Second Extension Period (i.e., as of January 1, 2026), no Percentage Rent as required by Section 4(c) of the Lease shall be due as Rent during the Second Extension Period. Minimum Annual Rent and Additional Rent as described in Sections 4(a) and 4(b) of the Lease, respectively, shall be paid in accordance with the terms of the Lease, as amended by this Second Amendment to Lease.

4. Swimming Pool Pass. Lessee shall create a swimming pool pass to provide single-day access to the Flourtown Country Club Swim Club ("Pool Pass"). A limited number of Pool Passes shall be made available to residents of Springfield Township subject to certain "Black-Out" dates to be identified by Lessor and Lessee. Lessor and Lessee shall agree upon an appropriate number of Pool Passes to be provided to residents of Springfield Township, and the Pool Passes shall be made available at the Springfield Township Free Library. Lessor and Lessee agree to develop together additional, reasonable, and mutually acceptable terms and conditions for the distribution and use of the Pool Pass, following the complete execution of this Second Amendment to Lease by the Lessor and Lessee.

5. Work on the Premises. Lessee shall perform all work necessary to address and remedy to the satisfaction of Lessor all safety recommendations associated with the Premises identified in Springfield Township's Insurance Carrier's most-recent risk management survey letter, relevant portions of which are attached hereto as Attachment "A" and incorporated herein by reference. All required work to address the concerns and recommendations outlined in such letter shall be commenced and completed within a time period satisfactory to the Lessor. Specifically, and without limitation to the foregoing obligations of Lessee, the playground equipment on the Premises shall be located and maintained to comply with applicable playground safety requirements for private country clubs based upon guidelines and standards set by the American Society for Testing and Materials (ASTM) and the United States Consumer Product Safety Commission (CPSC), including, without limitation, proper fall protection for playground users and appropriate safety zones between equipment to prevent colliding with other users and equipment.. Notwithstanding Lessee's agreement to complete the work required by this paragraph, all responsibilities and obligations of both Lessor and Lessee relating to the maintenance and repair of the Premises set forth in the Lease shall remain in full force and effect.

6. Capital Improvement Projects. In consideration of the Lessor's agreement to extend the Term as set forth in this Second Amendment to Lease, Lessee agrees to complete the capital improvement projects identified in Attachment "B" during the Second Extension Period. and the estimated timelines for completion of each capital improvement project are listed in Attachment "B". More precise timelines for completion shall be agreed upon by Lessor and Lessee following the complete execution of this Second Amendment to Lease by Lessor and Lessee. The capital improvements shall be constructed and completed by the Lessee in accordance with the standards applicable to any permitted or required construction, maintenance, and repair work by the Lessee under the Lease.

7. Interpretation / Effect of this Amendment. This Second Amendment to Lease constitutes a material part of the Lease. In the event of a direct conflict between the terms of this Second Amendment to Lease and the terms of the Lease, or any prior addenda or attachments

thereto, this Second Amendment to Lease shall control. Capitalized terms used herein without definition shall have the meanings assigned to them in the Lease. Except as expressly amended hereby, the Lease and all prior addenda and attachments thereto remain in full force and effect, unmodified and enforceable in accordance with their terms. This Amendment may be executed in counterparts.

(Signature page follows)

IN WITNESS WHEREOF, the parties have executed this Second Amendment to Lease on the dates set forth below.

LESSOR:
TOWNSHIOP OF SPRINGFIELD

Date: _____

By: _____

LESSEE:
TJKFCC, LLC

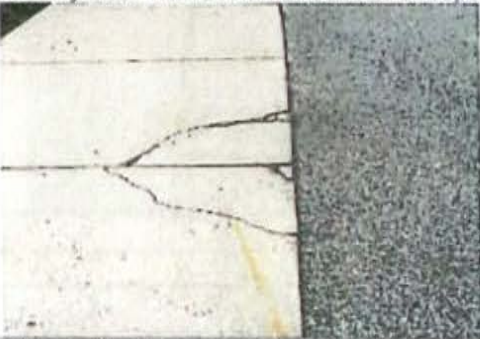
Date: _____

By: _____

Attachment "A"
Insurance Risk Letter dated

**RECOMMENDATIONS
COUNTRY CLUB**

Main Building

Rec. No.: 18-09-4	Priority: B	Flourtown Country Club – Sidewalk Deterioration
There is an area of significant deterioration on the sidewalk leading to the main entrance of the country club. It is recommended this be repaired to eliminate the potential trip and fall exposure.		
		
Status: No change. Traffic bollards are being considered. (2024)		

Rec. No.: 24-10-3	Priority: B	Flourtown Country Club – Trex Deck
The steps on the greens side of the deck appear to have sunk creating a >0.5 inch vertical displacement trip hazard at the top of the steps. Additionally, the deck appears to be sagging in areas, creating an irregular surface. It is recommended these issues be investigated to determine the root cause and hopefully repair the issue before the deterioration worsens.		
		
Status: New recommendation for 2024.		

Rec. No.: 24-10-4	Priority: B	Flourtown Country Club – LPG Fire Pits
There are several LPG fire pits located inside the tent space. It could not be determined if these are moved outside when lit or are they being used inside the tent. Most manufacturers specify that these devices should not be used beneath any structure due to the buildup of heat		

and ignition potential. Accordingly, it is recommended that the township fire marshal (local authority having jurisdiction) review the use of these LPG fire pits.



Status: New recommendation for 2024.

Rec. No.:
21-08-9

Priority:
B

Flourtown Country Club – Basement

Given the quantity of muriatic acid containers stored in the basement pump room and their proximity to sodium hypochlorite containers, it is recommended that the muriatic acid containers be stored on a spill containment pallet to reduce the risk of a primary container failure and the potential for an "acid+base" hazmat incident and associated chlorine gas release.




Example:



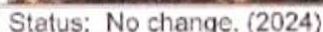
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Status: No change. (2024)

Rec. No.: 22-08-7	Priority: C	Flourtown Country Club – Basement Exit
It is recommended that the hallway exit to the outside be marked with a fire-marshall approved exit door signage.		
		
Status: No change. (2024)		

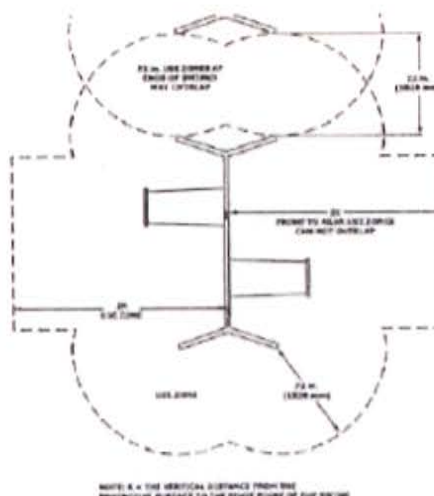
Pool

Rec. No.: 17-09-3	Priority: A	Flourtown Country Club – Residential Grade Play Structure
The play structure adjacent to the pool is residential grade. It contains several features which do not meet public playground equipment standards for public equipment (ASTM F1487-21; U.S. CPSC). It is recommended that this structure be replaced with a compliant, commercial-play structure. Additionally, non-playground safety-grade wood mulch is being used in the designated use zone of the equipment.		



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 3. **Methodology**
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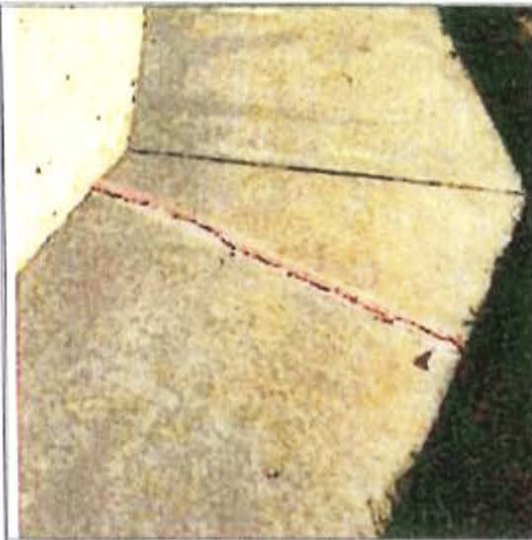
The swings have obstructions in their designated use zone. Per ASTM F1487- 21(9.4.1.1), a to-fro swing needs to have a clear space twice the distance from the pivot to the top of the protective surfacing surface to its front and back as well as six feet outward from the side supports.



Status: Progress. The orientation of the swing brackets have been corrected. The swing clearance issue remains. (2024)

Priority:
B

The concrete sidewalk to the pool snack bar is significantly cracked. It is recommended this be repaired to eliminate the potential injury hazard, especially given frequent bare feet in the vicinity.



Status: No change. (2024)

Groundskeeping Garage

Rec. No.: 24-10-5	Priority: B	Flourtown Country Club – Groundskeeping Garage
<p>There are a significant number of fuel containers stored outside the flammable liquid storage cabinet. The existing cabinet appears to be at capacity. Consider providing another cabinet to better accommodate all of these fuel containers.</p>		
Status: New recommendation for 2024.		

Rec. No.: 24-10-6	Priority: B	Flourtown Country Club – Hazardous Trees
<p>There are two dead trees adjacent to the Bysher Field Parking Lot. It is recommended these be removed to prevent a potential dead fall.</p>		



Status: New recommendation for 2024.

RECOMMENDATIONS LIBRARY

Rec. No.: 23-09-7	Priority: B	Free Library of Springfield Township – Facility Emergency Action Plan
DVT concurs with staff that the library would benefit from the implementation of a facility emergency action plan. A sample plan will be emailed to Marycatherine for consideration.		
Status: No change. (2024)		

Rec. No.: 23-09-8	Priority: C	Free Library of Springfield Township – Duress Alarm
DVT concurs that the library would benefit from the installation of a silent alarm/strobe or equivalent notification device to summon supervisory assistance to the front desk in the event of a disruptive/abusive patrons. Perhaps an under desk mounted button that activates a "Need Assistance" strobe light in the staff office. Militia Hill installed such a system at DVMMA a few years back.		
Status: No change. (2024)		

RECOMMENDATIONS BLACK HORSE TAVERN

Rec. No.: 24-10-7	Priority: M	Black Horse Taven – Stucco
The stucco repairs from several years ago are becoming undone. It is recommended the cracks be repaired to prevent further deterioration.		

Attachment “B”
Capital Improvements List with Estimated Completion Dates

Attachment "B"
Capital Improvements To Be Completed

FCC Renovations	Amount	Completion Date	Potential Projects
AV system upgrade: digital control panel	\$12,000	2026	
New lighting in ballroom	-	-	\$20,000
Update commercial oven	\$12,000	2026	
Ballroom curtains	\$12,000	2026	
Carpet for foyer/stairs/small suite and bathroom	\$3,850	2026	
Carpet improvements – numerous areas	\$15,000	2026	
Friday suite upgrades	\$11,500	Completed	
Wireless internet update w/ mesh	\$4,000	Completed	
New ballroom flooring	-	-	\$40,000
Ballroom chairs	\$30,000	Completed	
Ceremony chairs	\$2,800	Completed	
Built in bar fridge replaced	\$4,500	2026	
Flooring behind bar fixed and replaced	\$4,500	Completed	
Update men's bathroom	\$8,500	2026	
Fan for green (hole 3) w electric	\$13,000	Completed	
Golf course tree work	\$15,000	2026	
New stairs for main pool	\$10,000	2026	
New handicapped chair - pool	\$10,000	Completed	
Pool repairs – coping, tile, bathroom access	\$10,000	Completed	
Pool painting	\$16,000	Completed	
TOTAL	\$194,650		\$60,000