

# Board Update – Q3 FY23

April 26th, 2023

Emily Schapira, President & CEO

## **Organizational Updates**

- Workforce Development Coordinator
- Budget Proposal and Hearing 4/19/23
  - \$3MM request, includes IRA and capacity building hires

#### Sec. Granholm & Sen. Casey IRA Visit (3/17/23)







#### **Tour Stops:**

- Frankford High School Solar Training Lab
- · Built to Last participant home
- Yards Brewery

# PA Public Utility Commission Briefing

- PEA provided a projects and program update to the PUC in March
- Commissioner DeFrank provided opening remarks, staff reps for other Commissioners in attendance
- Provided topics for PUC consideration:
  - Interconnection Process at Northeast Airport
  - Virtual Net Metering
  - New Service and Metering Delays
- Follow up: Commissioner Zerfuss visiting GRIT cohort at ECA on May 11

# Earth Week Press Event at City Hall

- Announced \$380MM in investment and 3,275
   jobs created to date via the Energy Campaign
- Nearly \$90MM and 771 jobs in 2022 alone, with 75% of the investment and jobs from PEA-run programs as opposed to City/SDP projects
- Councilmembers Gilmore Richardson and Harrity spoke
- Staff from the offices of Councilmembers
   Clarke, Brooks, Vaughn, Driscoll in attendance
- Coverage on ABC6, KYW



With Earth Day on the horizon, Philadelphia Energy Authority touts progress toward green energy future



# City Budget Hearing (4/19/2023)

- PEA had its first solo budget hearing on April 19
- Highlights:
  - PEA has received an average of \$796K annually from the City over the last 6 FYs
  - Catalyzed an average of \$63.3MM per year of clean energy investment over the course of the Energy Campaign
    - 80X return on every dollar the City has invested in PEA
  - Asked for an increase to the City's investment in our work to an FY24 allocation of \$3MM
    - Would account for 31% of PEA's annual budget, in line with previous years
    - PEA has raised over \$6MM in other funds for FY24



#### Inflation Reduction Act

- City budget ask included new two hires and consultant support to maximize impact of IRA in Philadelphia
  - Grant application, management + capital project procurement and management
- IRA event for nonprofits and houses of worship during Earth Week >>>
- RFP closed for IRA consultant on 4/21, reviewing responses
  - Support strategic planning toward \$5B goal
- Updated Greenhouse Gas Reduction Fund guidance released
  - Notice of Funding Opportunity expected June 2023



#### Inflation Reduction Act

- Grants submitted
  - Climate Pollution Reduction Grant
    - DVRPC submitted for \$1MM for regional planning
  - Environmental Justice Government-to-Government (EJG2G) Program
    - OOS submitted \$1MM application for place-based heat and flooding initiatives
  - Resilient and Efficient Codes Implementation (BIL)
    - PA DEP submitted for \$3.25MM
  - Renew America's Schools (BIL)
    - SDP submitted 2 applications, \$15MM each, for EE improvements at Loesche + bus garages

# Philly Streetlight Improvement Project

- Fixtures, lighting management system selected
- Investment Grade Audit report to be delivered in May
- Bond issuance underway with City Treasurer's Office, expected mid-June
- Project on track to begin construction in Summer 2023
  - Website will feature a two-week look-ahead map so neighborhoods know when their lights are being replaced
  - 8-10 crews in the field at any given time











#### **Adams Solar**

- Project on track to meet target COD – December 2023
- Reviewing bids for electrical and fencing work
- 60% of piles in the ground
- Civil construction underway on west side of the property
- Have 25MW of modules on site
- Substation work to begin in early June
- On-the-job training opportunities for PEA workforce development program participants slated for Summer 2023
  - Training on mechanical and/or electrical work, depending on areas of interest of participants

# Northeast Philadelphia Airport Solar PPA

- RFP canceled in early April
- Project will be re-procured in 2023
  - Interconnection delays coincided with significant market volatility (e.g. cost and availability of solar panels, interest rates)



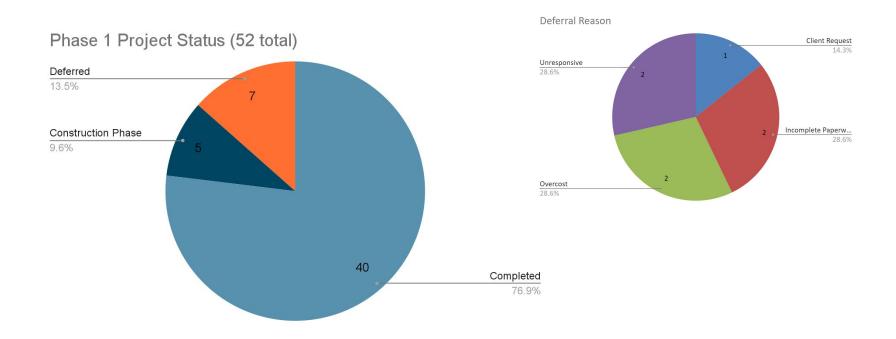
Credit: Philadelphia International Airport/Facebook

# School District of Philadelphia

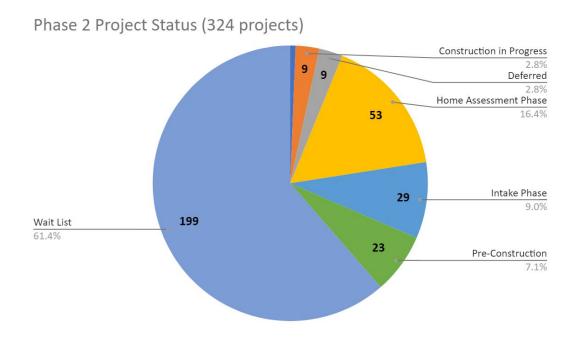
- PEA met with new CFO Mike Herbstman
- Now hiring <u>Energy Manager</u> in lieu of coordinator
- New Director of Capital Programs Anthony Arizmendi
- Frankford HS closed through end of school year at least for asbestos
- Ongoing construction in GESA-2 and GESA-3, working to keep GESA-1.4 moving forward.



#### **Built to Last Pilot**



#### **Built to Last Phase 2**



# **Spending by Partner**

3.4

Average programs per

\$39k

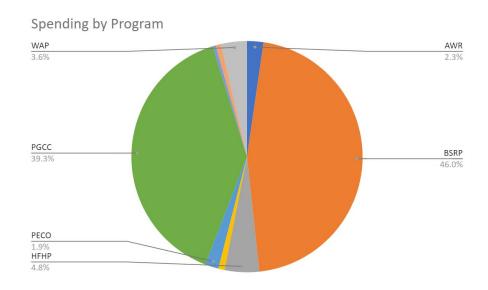
Average spending per home

\$15k

Average PEA spending per home

\$2.6m

Total spending projected by all programs (including solar)



## Phase 5+6 (Sept 2021-Dec 2022)



- Introduced a solar lease option with PosiGen, no up-front cost, 3<sup>rd</sup> party maintenance and tax credits
- LMI projects have some subsidy through SREC purchases
- Launched Commercial Solarize w/ Solar States and EDPR (which includes new PPA option)
  - 60 commercial projects in pipeline

#### Phase 5&6 Contracts Signed

• LMI Residential: 143

Market Rate Residential: 347



## Phase 7 (2023)

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 New Phase enrollment started in January 2023

#### Phase 7 Goals

• LMI Residential: 250 homes

Market Rate Residential: 500 homes

#### Phase 7 Contracts Signed

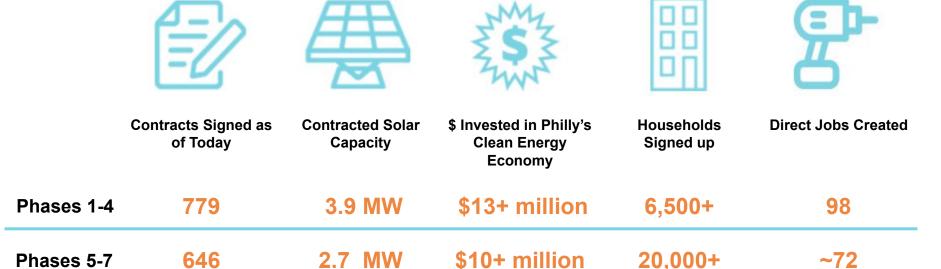
• LMI Residential: 12

Market Rate Residential: 144



## **Progress to Date (Residential)**







We'll be presenting about Solarize Philly at tomorrow's South of South Neighborhood Association and Center City Residents' Association Community Meeting - Thursday, March 23rd at 6pm. Join us to learn how you can go solar at home!



#### Who

 Any home or business owner in Philadelphia

#### What

- Vetted Installers
- High-Quality Equipment
- Discounted Prices

#### Why

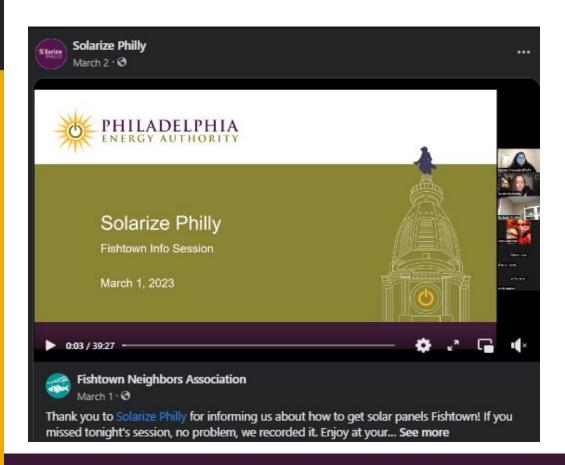
- Save Money
- Create Local Jobs
- Take Action on Climate Change

#### Join us to learn more:

South of South Neighborhood Association & Center City Residents Association Community Meeting

Thursday, March 23rd at 6pm 1901b Washington Ave

FOR MORE INFORMATION: solarizephilly.org



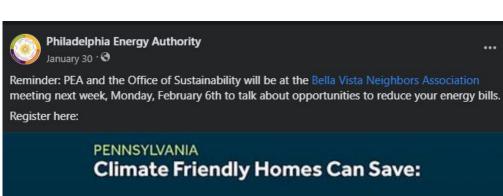


PEA had the opportunity to lead U.S. Senator Bob Casey and Secretary Jennifer Granholm on a tour of our successful clean energy projects in Philadelphia.

Special Thanks to Yards Brewing Co. and Frankford High School for being great hosts!









Climate Positive at Home: Inflation Reduction Act Rebates & Tax Incentives

The Office of Sustainability (OOS) and the Philadelphia Energy Authority (PEA) will present on ...

...







# American Water Resources Partnership

- ~90K customers in flagship Water and Sewer Line Protection Program
- 25K+ enrolled in new protection products
- \$49MM+ saved in repair costs for consumers
- 74% of claims to date serviced by M/W/DBE contractors
- 5% of all claims had an NOD from PWD
   majority of infrastructure repairs are self-identified
- 5,500/month calls handled, 92% Customer Satisfaction



#### Frankford High School Updates

#### **Major Support**

PECO-Funded Solar Instructor Coach FY 22-23, Ky Sanders

#### **Impact**

- 15 10<sup>th</sup> Graders started in the Fall 2022
- First year of graduating 12<sup>th</sup> graders
- Focus on internships, summer programming and ongoing recruitment
- School is closed, seeking new summer location
- New teacher coming in Fall 2023



## **Bright Solar Futures Program (OppY)**

#### Partnership w/ PowerCorpsPHL

- Cohort 4: January 17, 2023, 13 for training + 6-week internships
- Piloting reduced curriculum focused on solar and electrical
- Adams Solar Residency for commercial training experience upcoming in Spring 2023

#### **Total Results so far:**

- 3 Cohorts: 47 participants enrolled, 28 Completed (60%)
- 24 Students were placed into paid internships (86%)
- 10 NABCEP Associates Certifications, 14 OSHA-30s
- 21 Placements to date (Jobs/Apprenticeships) (75%)





# **Green Retrofit Immersive Training (GRIT)**

#### **Key Stats:**

- 18-week Green Residential Construction Program, includes 6-week field internship
- 2 Cohorts launched, 33 participants completed
- 25 completed Internships
- 80% placed into jobs, post-internship completion
- Average Wage: \$18.76 per hr
- Ongoing placement and follow-up services through September 2023
- 3rd cohort launched April 2023
- Funded by the EDA thru Good Jobs Challenge and other funders











# **C-PACE Program**

- Closed first two multifamily projects in February
- Deals closed through March 2023
  - Philly: 13 projects; \$157MM
  - PA Counties: 9 projects; \$49MM
- Very busy with in-person and online events – 7 during Jan-Mar and another 7 in April



Somerset Station Groundbreaking, March 20, 2023

## **New Construction: Somerset Station**

**Property Type:** Multifamily

**Financing Amount:** \$17,914,777

Rate and Term: 6.7%, 30 years

Close Date: 2/10/2023

Building Measures: Building envelope, HVAC,

lighting, domestic hot water

**Environmental Impact:** 26% more efficient than required by Philadelphia's building energy code; reduction of the building's total lifetime carbon footprint by 22,620 metric tons of CO2 equivalent

Neighborhood: Kensington/Port Richmond





Property Owner: Riverwards Group



Capital Provider: Nuveen Green Capital



Qualified Engineer: EE Consultants LLC

# New Construction: 5<sup>th</sup> and Spring Garden

**Property Type:** Multifamily

Financing Amount: \$40,000,000

Rate and Term: 7.2%, 30 years

**Close Date: 2/28/2023** 

Building Measures: Building envelope, HVAC,

lighting, domestic hot water

**Environmental Impact:** 30% more efficient than required by Philadelphia's building energy code; reduction of the building's total lifetime carbon footprint by 28,354 metric tons of CO2 equivalent

**Neighborhood:** Callowhill





Property Owner: Southern Land Company



Capital Provider: Nuveen Green Capital



Qualified Engineer: EE Consultants LLC

# **C-PACE** Pipeline Update

- 41 projects in pipeline (down from last quarter)
- Probability-weighted average value of pipeline is ~\$24 MM (down from last quarter but \$57MM closed)
- Likely to see 4-5 projects close by mid-summer

#### Weighted Probability: Pipeline by Fiscal Year



# # Projects in Pipeline by Stage 30 25 20 15 10 Lead Intent to Submit Pre-Application Final Application Closed

### **Virtual Power Plant (VPP)**

- Request for Information (RFI) released on October 13, 2022
- 11 responses received on December 19, 2022
- Follow-up conversation held with select group of (7) RFI respondents
  - Key reviewers joined meeting incl PEA staff, Energy Office, DEP, DVRPC, Penn State and WRI
- Finalizing SOW for VPP Consulting Services for technical support in developing VPP RFP
- Partnered on DOE grant application to pilot VPP technologies in Philly
- Matt speaking on VPPs at Mid-Atlantic RE+ in Philly this July



### Zero Emissions Technologies Program in the Greenhouse Gas Reduction Fund

	Zero Emission Technologies Program
Total funding available	\$7 billion
Eligible applicants	States, municipalities, Tribal governments, eligible nonprofits
Anticipated applicants	Coalitions of eligible entities
Number of awards	Up to 60 awards
Eligible uses	<ul> <li>Residential solar</li> <li>Community solar (not currently widely available in PA)</li> <li>Storage paired with residential or community solar</li> <li>Related measures such as roof repairs and electrical upgrades</li> <li>Priority is on LMI homes and communities</li> </ul>
Compatible programs	<ul><li>Solarize (esp. LMI component)</li><li>Built to Last</li><li>Residential VPP</li></ul>

30

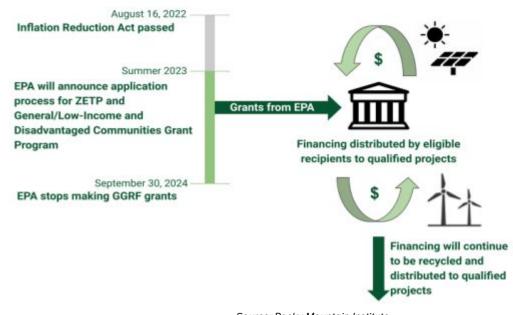


# Greenhouse Gas Reduction Fund: Process & Timing

#### **Key dates:**

- Spring 2023: Community Roundtable series
- Early Summer 2023: NOFO released
- Early Fall 2023: Applications due
- Late 2023/Early 2024: Winners announced
- Throughout 2024: Funds distributed

#### **Implementation Timeline**



Source: Rocky Mountain Institute



# **PGCC Operational & Funding Update**

- Open position: Operations Coordinator
- Supporting financial components of Phase 2 of Built to Last (~\$1.5MM budget)
- Seeking line of credit to support up to \$15MM of PGCC & PEA's reimbursable grants
- Assessing funding opportunities in the Inflation Reduction Act with PEA
- Applied for "\$4MM of grant funding in first quarter of 2023
- FY23 budget on track

#### **Contact**

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