

Dominion Energy Tredegar Parking Garage Solar Array Project

March 19, 2021

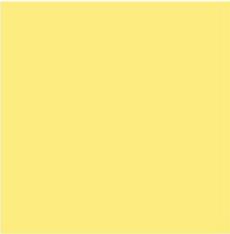


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Dominion Energy Project Team

Dominion Energy

- **Manager Capital Projects:** Kyle Young
- **Senior Project Manager:** Harvey Jones
- **External Affairs Manager:** Felix Sarfo-Kantanka Jr.

Project Partnerships

- **Vanasse Hangen Brustlin**
- **Sun Tribe Solar**



Dominion Energy's Clean Energy Initiative

Over the next 15 years, Dominion Energy plans to add enough solar energy to power 4 million homes when the sun is shining in support of Virginia's plan for 100% zero-carbon electricity by 2045 and our goal of net zero carbon and methane emissions across all the states in which we operate by 2050.

In order to meet these renewable energy and sustainability targets, we at Dominion Energy are exploring all types of opportunities to develop solar and other clean energy resources. We are currently advancing one such project in the City of Richmond and are pleased to share more information with you today.

This project, which is being done in partnership with Sun Tribe, headquartered in Charlottesville, Virginia, calls for a small solar array to be located on the top floor of the existing parking garage at our Tredegar Street campus along the James River.

Once up and running, this solar array will generate enough energy equal to powering 120 homes – **without impacting the views from the Oregon Hill neighborhood and the surrounding area.**

Furthermore, **we intend to dedicate any revenue generated by the array to support education initiatives in Richmond**, pending necessary agreements.

Project Outline

Utilize existing top level of the Clearinghouse parking garage to install a new Solar Array Canopy. The generation of the Solar Array will be interconnected back to the electrical grid.

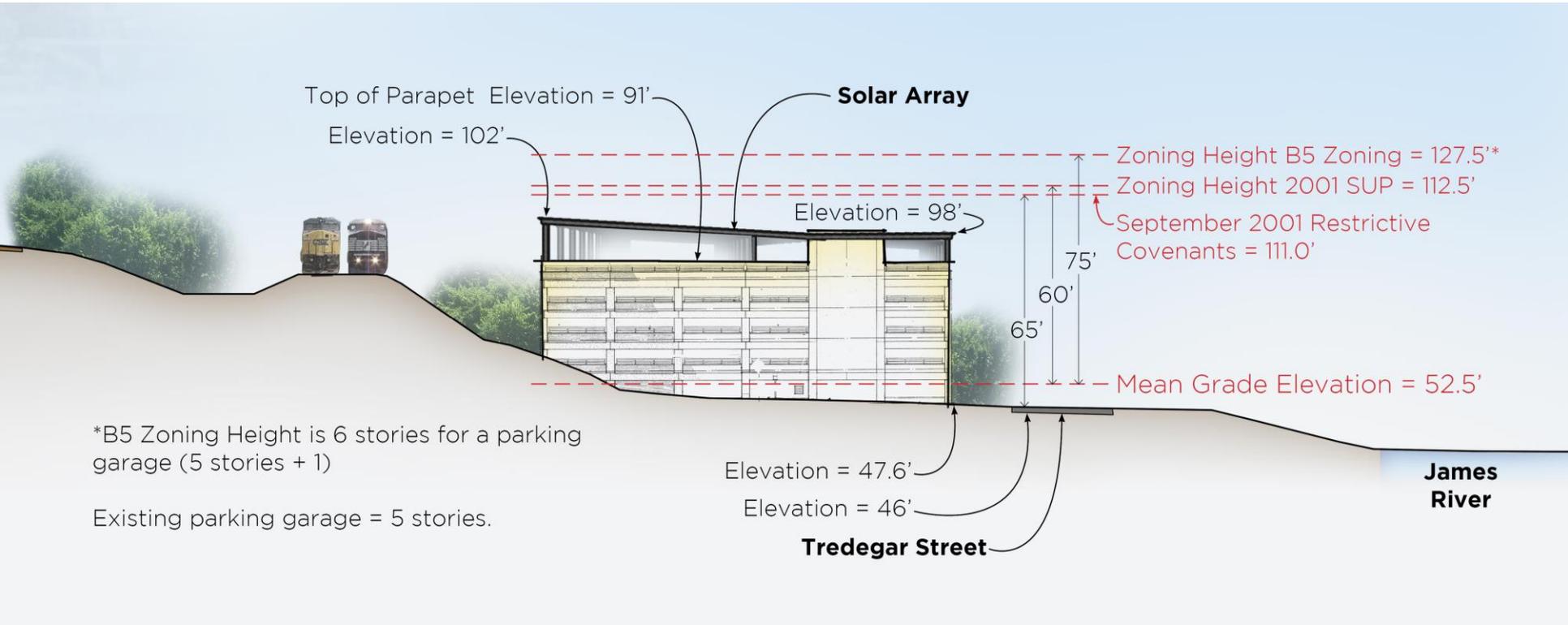


Design Concept

- This project would be the largest solar array in downtown Richmond.
- Canopy Design – Full roof canopy
- Individual Solar Panels – 1,404
- Solar Array will generate enough energy equal to powering 120 homes.



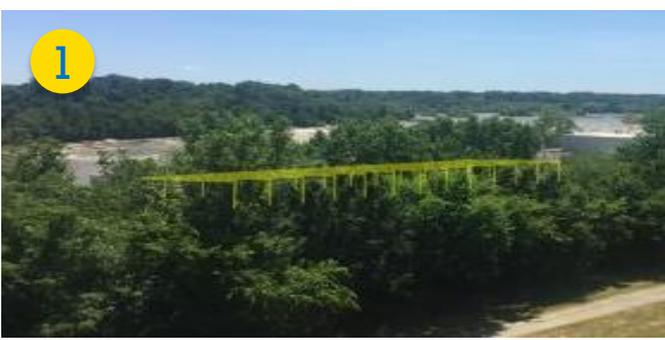
Elevations



*B5 Zoning Height is 6 stories for a parking garage (5 stories + 1)

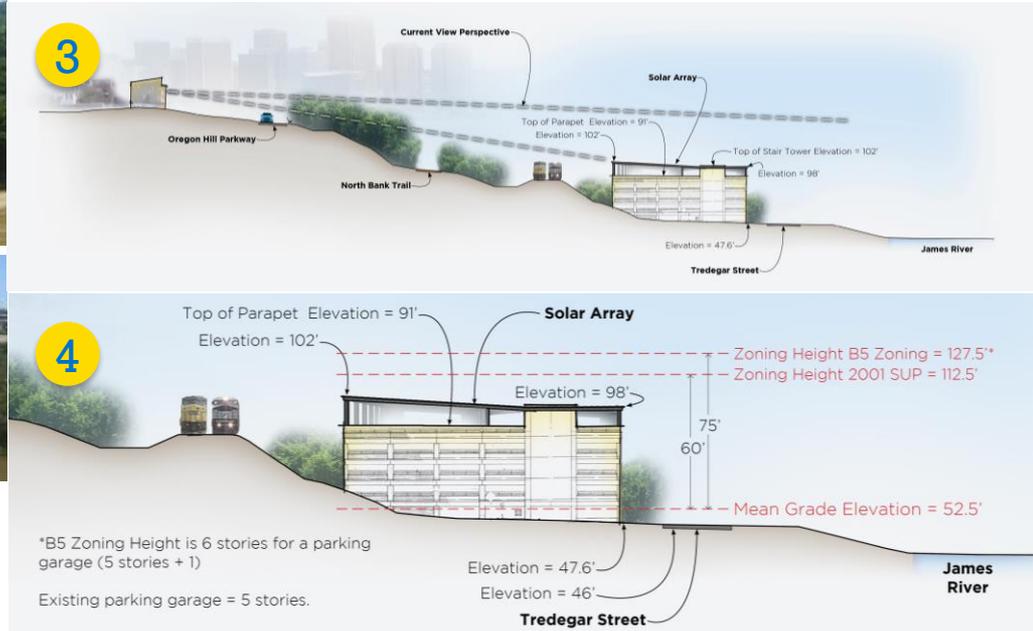
Existing parking garage = 5 stories.

Photos and Schematics



1 & 2. As you can see in both the picture view from Oregon Hill and the section, the existing vegetation blocks the view of the proposed solar array. (1)

These pictures show the proposed solar array as viewed from Oregon Hill and from the Lee Bridge. (2)



3. This section shows the differences in elevation between the residential units on Oregon Hill and the Tredegar campus parking garage.

4. A close up view of the parking garage shows the dimensions and elevations as well as the zoning height limitations based on the 2001 special use permit and the current B-5 zoning conditions.

Viewshed Renderings



- Rendering 1 – Oregon Hill fall/winter view.
- Rendering 2 – Oregon Hill spring/summer view.
- Rendering 3 – Belle Isle summer view.

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Project Milestones

Partnership Selection: Sun Tribe Solar, August 2020

Neighborhood Engagement: Letters to neighbors, associations, project web page, September 2020

City of Richmond: Zoning Confirmation Request, September 2020

City of Richmond: Zoning Confirmation Approved, November 2020

Town Hall Meetings: Oregon Hill, Overlook Associations, December 2020

Interconnection Coordination Study: January 2021– April 2021

Structural and Electrical Engineering: November 2020 – April 2021

***Construction Permitting:** April 2021 – June 2021

***Canopy Construction:** June 2021 – September 2021

***System Operational:** September 2021 – October 2021

*Milestones may vary pending processes and conditions.

Learn More

Please visit our website at
[DominionEnergy.com/Tredegarsolar](https://www.dominionenergy.com/Tredegarsolar)

