

C2E2 SPRC CHECKLIST

PROJECT NAME: 4201 31st Street S. - Shirlington
COMMISSIONER House
REVIEWING: Melissa Benn

Overall Score

61%

Building Component	GBI or C2E2 Baseline (Meets)	Requirements to Meet CEP & Sustainability Goals (Exceeds)	4201 31st Street S. - Shirlington House (Evaluation)	Recommendation / Comments	Assessment
Green Building Certification and Carbon Reduction					56%
Certification	Commercial: LEED Gold Multi-family: Earthcraft also permissible	Commercial: LEED Platinum Multi-Family: Earthcraft also permissible			Meets
Zero Carbon*	Evaluate feasibility of Zero Carbon certification (ILFI)	Zero Carbon Certification (ILFI)--(GBI .7 FAR level)			Falls short
Building materials	Meet the criteria that would earn the project at least two (2) points for LEED version 4.1 MR credit Building Life Cycle Impact Reduction.	Score at least ten (10) overall for LEED version 4.1 Materials and Resources.			Meets
Energy Efficiency					67%
Energy Optimization	Commercial: Min. 10% (20%) improvement LEED v 4.1 (v 4) Multi-Family: HERS Index of 65 also permissible	Commercial: Min. 20% improvement from LEED v4.1 Multi-family: HERS Index of 50 also permissible			Meets
AIRE GBI required narrative	Provide narrative on Energy Efficiency	Make available on SPRC website			Meets
Energy Star Certification	Must meet Energy Star 75 within 4 years	Meet highest possible GBI standard (differs by FAR level)			Meets
Energy Benchmarking	Install energy meters or monitoring devices	Meet GBI Extra on Advanced Energy Metering			Meets
Electrification					58%
Building's Electrical Capacity	Electrical infrastructure allows for GBI baseline	Electrical infrastructure allows for 100% electrification			Falls short
Utilities Electrification	Electric water heating ready and narrative	Fully electric water heating (commercial and residential)			Exceeds
	Electric HVAC ready and narrative	Fully electric HVAC (commercial and residential)			Falls short
	Electric cooking ready and narrative	Electric cooking; electric ready for restaurants.			Meets
Electric Vehicle Infrastructure					67%

Electric Vehicle Charging	4% of parking spots have EV charging	10% of parking spots have EV charging			Meets
	15% of parking spots are EV-ready	50% of parking spots are EV-ready			Meets
Electricity from Renewable Sources					50%
Renewable Energy	2W/ft ² onsite solar or equivalent	On-site and/or off-site for 50% of annual load			Meets
Battery Energy Storage*	Battery Energy Storage ready	Battery Energy Storage as backup generation			Falls short
Environmental Sustainability					67%
Biophilia / Open Space	Provide narrative addressing listed issues	Create a sense of natural environment, habitats. Keep mature trees, tree canopy, native plants, etc			Meets
Storm Water Management	Meet Virginia building code	Seek use of pervious materials; offset storm water with green roof, bio-retention or manufactured treatment device		Implementation of best management stormwater practices; 98th %ile for rainwater management	Meets
Bird-friendly Material	Must minimize bird strikes by meeting GBI criteria	GBI criteria plus ground floor bird-friendly material			Meets
Light Pollution Reduction	Meet light pollution reduction in GBI	Dark Sky-approved "Friendly Fixture" certification			Meets
Water Use	WaterSense label for all toilets, bathroom faucets, and showerheads installed in residential and hotel units	In addition to Meets, must not use potable water for irrigation.			Meets
Social Equity					67%
Diversity, Equity and Inclusion	1. One company on development team with DEI program 2. LEED Social Equity Checklist completed	1. Development team presents and discusses LEED Social Equity Checklist to SPRC and AIRE 2. Develop project specific DEI plan			Meets

*C2E2 Baseline Requirements