North Bay Village

OFFICIAL AGENDA
SUSTAINABILITY RESILIENCE TASK FORCE
VIRTUAL MEETING
MEETING ID: 870 0612 1245 | PASSCODE: 944518
WEDNESDAY, DECEMBER 20, 2023 - 6:30 PM

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1. **Opening Items**
   1A. Call to Order
   1B. Roll Call

2. **Approval of Meeting Minutes**

   2A. November 28, 2023

   11.28.23 SRTF Minutes.pdf

3. **Old Business**

   3A. NONE

4. **New Business**

   4A. Sustainability-Related Green Code Clean Up

   GBP - Summary of Proposed Changes for SRTF.pdf

   4B. Discussion on Strategizing and Enhancing Community Engagement

   4C. Status Update on Recycling Contract

   4D. Styrofoam and Generators Used During Village Sponsored Events

5. **Staff/Commission Liaison Updates**

6. **Public Comments**

7. **Agenda Items for Next Meeting: January 23, 2024**

8. Adjournment

THIS MEETING IS OPEN TO THE PUBLIC. IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990, ALL PERSONS THAT ARE DISABLED; WHO NEED SPECIAL ACCOMMODATIONS TO PARTICIPATE IN THIS MEETING BECAUSE OF THAT DISABILITY SHOULD CONTACT THE OFFICE OF THE VILLAGE CLERK AT 305-756-7171 EXT. 45 NO LATER THAN FOUR DAYS PRIOR TO SUCH PROCEEDING.

IN ACCORDANCE WITH THE PROVISIONS OF SECTION 286.0105, FLORIDA STATUTES, ANYONE WISHING TO APPEAL ANY DECISION MADE BY VILLAGE COMMISSION, WITH RESPECT TO ANY MATTER CONSIDERED AT THIS MEETING OR HEARING, WILL NEED A RECORD OF THE PROCEEDINGS AND FOR SUCH PURPOSE, MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE WHICH RECORD SHALL INCLUDE THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. AGENDA ITEMS MAY BE VIEWED AT THE OFFICE OF THE VILLAGE CLERK, NORTH BAY VILLAGE, 1666 KENNEDY CAUSEWAY. ANYONE WISHING TO OBTAIN A COPY OF ANY AGENDA ITEM SHOULD CONTACT THE VILLAGE CLERK AT 305-756-7171 EXT 45. A COMPLETE AGENDA PACKET IS ALSO AVAILABLE ON THE VILLAGE WEBSITE AT www.nbvillage.com.

TO REQUEST THIS MATERIAL IN ACCESSIBLE FORMAT, SIGN LANGUAGE INTERPRETERS, INFORMATION ON ACCESS FOR PERSON WITH DISABILITIES, AND/OR ANY ACCOMMODATION TO REVIEW ANY DOCUMENT OR PARTICIPATE IN ANY VILLAGE-SPONSORED PROCEEDING, PLEASE CONTACT (305) 756-7171 FIVE DAYS IN ADVANCE TO INITIATE YOUR REQUEST. TTY USERS MAY ALSO CALL 711 (FLORIDA RELAY SERVICE).

ITEM NO. 2A.

North Bay Village
Recommendation Memorandum

DATE: December 20, 2023

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Genesis Guevara, Assistant to the Village Clerk

SPONSORED BY:

SUBJECT: November 28, 2023

RECOMMENDATION

BACKGROUND AND ANALYSIS

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ATTACHMENTS
11.28.23 SRTF Minutes.pdf

NORTH BAY VILLAGE
SUSTAINABILITY AND RESILIENCE TASK FORCE
MEETING ON ZOOM
Tuesday, October 24, 2023 - 6:30pm

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1. **Meeting was called to order by at 6:34pm.**

Board Members Present:
Alisha Graham, Chair
David Doebler, Vice Chair
Julia Stutts, Secretary
Brenda Krebs

(Neil Krasner - Absent-Excused due to illness)

Village Staff Present
Commissioner Rachel Streitfeld
Marlon Lobban- Public Works Director

Guests and Members of Public

2. **Approval of Minutes:** October 24, 2023 meeting minutes -no changes, Julia made motion to approve, Brenda seconded. All approve.

3. **Old Business - Will be postponed till next month when Neil is back.**

4. **New Business - Creating educational programs in the honor of Harvey Ruvin.**
   - **a.** Comm. Streitfeld led discussion of how we can memorialize Harvey Ruvin here in NBV, since he was a mayor here and a long time force in Miami government.
   - **b**. Possible naming new civic park after him.
   - **c**. Possible naming "green educational programing" after him, as Harvey Ruvin was an early champion for our environment. Discussion of possibly creating field trips and educational programs at new Civic park as well.
     1. New Parks and Rec dept is rebranding all outdoor programs now offered. Soccer, Yoga, cheerleading.
     2. David mentions that Ruvin is important to honor because of environmental legacy and thinks naming a park is a tremendous honor for him.

3. Can we have educational signs, with link people can interact with. Give the space of Civic parks to NGO's that have an environmental cause. Comm Rachel wants Chris to research this.
4. Comm Streitfeld will look into how we can rename park after Ruvin, and look to other stake holders and see if we can fund more at the park. The park does need to be named, and his legacy should be honored here.
5. Discussion of how the park can be used in the future, how local Non-profits can use the space. Car wash next door is only drawback, as it is loud. Can use for future SRTF meetings there and invite locals.

d. Side discussion of PADL Kiosk at Vogel Park. Vendor of rental of paddle boards.

5. Old Business: Misc.

a. Alisha- Growing Oysters at Civic Park. Rachel mentions putting on hold till we break ground.
b. Alisha - seeing what's collected in our storm drains by collecting and storing at Alisha's home. Can we use videos? Rachel - Wants the public works department to take pics, but having trash dropped at Alisha's might not be allowed.
c. Dave - this is an opportunity to quantify how much we are keeping our of the Bay. Rachel suggest we reach out to Emilio Lopez.

6. Updates from Commissioner.

a. Town hall for Treasure Island roadway redesign.
b. Upcoming Commission Meeting on 12/12.
c. Watershed Advisory Board Meeting coming up.
d. "Impervious Ordinance" discussion - will be important.
e. Discussion of shutting down jet-ski rentals, *again*. How can we create a pathway for the county going forward?

7. Dave Doebler - Recycling not being done right. Coastal and Waste Connect (our local providers)

a. Effective messaging is necessary. Alisha sent info to Julie, not sure what's been done.
b. Recycle across America has good signage. Need better vinyl signs.
c. Miami Dade county needs to have better labels.
d. Go green Ecobins - being pushed to agenda next year. Village comm will have this discussion.
e. Rachel - its time to replace the Village's garbage receptacles. Would like to have the gas stations to have recycle stations.
f. Dave - do commercial bldgs have to use our vendors? Will find out who we can use. Rachel asks for Dave to get contract from Waste Connection to see how this company brings value to our Village.

8. New- Pirates alley project going forward since we got funding from ULI Urban Land Institute. The project will make the area good for all in community.

9. Rachel reviewed all that we did in last year. With more to come.

10. Next Meeting: December meeting (December 20, 2023)

11. Adjournment:

The motion to adjourn was made by: **David Doebler** and seconded by **Brenda Krebs.**

Meeting adjourned at: **8:20pm**

Prepared by Secretary: **Julia Stutts**
This 13th day of December, 2023.

ITEM NO. 3A.

North Bay Village
Recommendation Memorandum

DATE: December 20, 2023

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Genesis Guevara, Assistant to the Village Clerk

SPONSORED BY:

SUBJECT: NONE

RECOMMENDATION

BACKGROUND AND ANALYSIS

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ITEM NO. 4A.

North Bay Village
Recommendation Memorandum

DATE: December 20, 2023

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Genesis Guevara, Assistant to the Village Clerk

SPONSORED BY:

SUBJECT: Sustainability-Related Green Code Clean Up

RECOMMENDATION

BACKGROUND AND ANALYSIS

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ATTACHMENTS
GBP - Summary of proposed changes for SRTF.pdf

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Memorandum

Date:	December 15, 2023
To:	North Bay Village Sustainability and Resilience Task Force
From:	**Silvia E. Vargas, FAICP** – Principal Planner, and Antonio Augello - Planner
Subject:	Green Building Program – Summary of proposed changes as part of ULDC cleanup
Project:	CGA 203569
CC:	

History

On March 9th, 2021, the Village Council adopted Ordinance No. 2021-007, amending amend sections of the Village's Unified Land Development Code (ULDC) and Code of Ordinances to establish provisions geared toward implementing strategies recommended in the NBV100 Master Plan to make North Bay Village more sustainable and resilient over time. In the ULDC, the adopted amendments did the following:

1. Zoning (Chapter 8): Established a point-based Green Building Program for new and redeveloped buildings (new Division 5). The new program included:
   - Minimum point thresholds to be met by different project types.
   - An extensive menu of green building strategies, tools and techniques to get the required points, including various green building system options to choose from.
   - Green Building Program documentation and submittal requirements
   - Standards and limitations for electric vehicle, bicycle parking and storage, solar systems, green roofs and green walls, wind turbines, green infrastructure and low-impact development (LID), and clotheslines.
   - Green building incentives to upgrade single family homes when remodeling.
2. General Site Design Standards (Chapter 9): Introduced standards allowing for future adaptability/convertibility of parking garages; required new and replacement light fixtures to be LED; regulated the design, placement, installation, and maintenance of green walls, green roofs, and vegetable gardens; and regulated and limited the use of synthetic turf.
3. Flood Damage Protection (Chapter 10): Aligned flood protection standards (freeboard) for new and substantial construction with current state and national practice, both for residential and commercial development.
4. Definitions (Chapter 3): Defined terms used in the new green and sustainability-oriented provisions.

Additional ordinances related directly or indirectly to sustainability and resilience zoning issues were adopted by North Bay Village, including but not limited to:

- Ordinance No. 2021-006: Update to the Village's seawall standards.
- Ordinance No. 2021-002: Establishment of Island Walk design standards and criteria
- Ordinance No. 2021-012: Update to the RS-1 (Single Family Residential) zoning applicable to North Bay Island, introducing, among other zoning-related changes, lot coverage and open/green space standards and tightening the definition of lot coverage.

In January of 2023, the NBV Sustainability and Resilience Task Force (SRTF) started a dialogue (over multiple meetings) regarding a potential update of the "green code." The discussion centered primarily around the possibility of raising the bar to be met by developers in future projects, but also broader policy issues beyond the regulatory framework.

In approximately June of 2023, the Planning and Zoning Department initiated an evaluation of the ULDC, with an eye towards completing a "cleanup" process during the remainder of the year. The core goals of the ULDC cleanup are:

1. Correcting identified scrivener's, grammatical and typographic errors.
2. Updating references and cross-references, supported by the proposed introduction of hyperlinks.
3. Neutralizing gendered language.
4. Removing/replacing/modernizing obsolete regulations (e.g., due to changes in conditions, evolution of best practices, etc.)
5. Integrating recently adopted ordinances into the body of the ULDC for a complete, cohesive document, and renumbering sections as necessary.

While the above scope does not envision a comprehensive overhaul of the ULDC at this time, the effort has also extended to:

6. Aligning the code with the updated, EAR-based comprehensive plan policies adopted on March 8, 2023.
7. Resolving internal inconsistencies resulting from piecemeal amendments over time
8. Calibrating regulations which have been found to have unintended consequences.
9. Adapting regulations to better reflect the development needs of the community.

Thus, the current endeavor to clean up the ULDC has included a relatively modest foray into updating the Green Building Code in a manner consistent with the discussions of the SRTF. The proposed changes are summarized below and attached for the Task Force's review.

More extensive efforts, including those which may require a change in Village policy, may need to be undertaken separately by the Task Force.

Proposed Changes

Chapter 8 – Division 5

1. *Sec 8.20:* Increase the minimum number of green building points required for new and redevelopment projects in the following categories.

	Green Building Points	
Use	**2021**	**2023 (proposed)**
Single-family residential	10	12
Multi-family residential	18	20
Mixed-use	20	24
Commercial and Office	20	24
Hotel	20	24

Staff is not proposing to increase the minimum point requirement (20 points) for Civic projects/uses in order not to create an undue financial burden on local government projects.

Note: Ordinance No. 2022-012 (adopted on November 2, 2022), which amended sections of the ULDC related to the transfer of density rights (TDRs), also raised the threshold of points for projects developed pursuant to a transfer of density rights to 24 points.

2. *Sec. 8.21:* Expand the menu of Green Design Options with the addition of additional techniques, tools and strategies, and assigning points. [NOTE: text added is show in underline; text deleted is shown in ~~strike-through~~]

Green Design Option	Points	Description
Gray water systems.	6	Reuse water from showers, bathtubs, clothes washing, and sinks (except kitchen sinks) for flushing toilets and urinals.
Solar-ready rooftop	2	Provides reserved breaker space and conduit for future use.
Photovoltaic System	4	Generate at least 30% of energy demand based on daytime peak load and on an annual basis.
Photovoltaic sSystem	6	Generate at least 60% of energy demand based on daytime peak load and on an annual basis.
Photovoltaic sSystem with back-up battery storage	8	Generate at least 30% of energy demand based on daytime peak load and on an annual basis and provide at least 24 hours of energy use in battery storage.
Photovoltaic sSystem with back-up battery storage	10	Generate at least 60% of energy demand based on daytime peak load and on an annual basis and provide at least 24 hours of energy use in battery storage.
Solar Water Heater	2	Solar water heating with at least an 80-gallon storage tank.
Electric Vehicle Charging Station(s)	2+	Single-family residential: • 2 points for installing the electric lines and circuit breakers necessary to accommodate station installation (installed according to § 8.23.E). • 2 points for each charging station installed in a single-family residence, not to exceed a maximum of 4 points. All other project types: 2 points for each station installed above the baseline number required pursuant to § 8.23.A and B, not to exceed a maximum of 8 points.
Permeable surface for parking and drives	4	At least 50% of total surface of driveway and parking needs are permeable surfaces.
Permeable surface for parking and drives	2	At least 25% of total surface of driveway and parking needs are permeable surfaces.

Green Roof	6	At least 50% or more of roof surface area is green roof.
Green Roof	4	At least 25% or more of roof surface area is green roof.
Green Wall	4	Green wall must cover at least forty (40) percent of the surface of the external wall.
White roof (also known as cool roof)	4	The entire roof surface must be covered in white/reflective covering and provide an initial and 3-year aged Solar Reflectance Index (SRI) as follows: • Low-sloped roofs with a slope less than or equal to 2:12: initial SRI of 82 and 3-year aged SRI of 64. • Steep-sloped roofs with a slope greater than 2:12: initial SRI of 39 and 3-year aged SRI of 32.
Cool Pavement	4	Provide a surface with an initial solar reflectance 20%, higher than the 5-10% reflectance of a dark asphalt parking lot.
Enhanced hurricane resistant structure	4	Meet a wind load 20 mph greater than Florida Building Code requirements.
LID/Green Infrastructure (e.g., use of bioswales, rain gardens, cisterns, filtration media, etc.)	2	Demonstrate efficacy of the system and provide maintenance plan.
SITES Certification for landscaping	2	Provide Ccertification.
100% native plants in landscaping	2	Meet all landscaping requirements with 100% native vegetation.
EnergyStar rating for all appliances/equipment	4	aAll appliances/equipment associated with the building are EnergyStar rated.
Low-flow plumbing fixtures	4	EPA-labeled WaterSense showerheads (2.0 gpm max), bathroom and kitchen faucets and aereators (1.5 gpm max)
Low-flow plumbing fixtures	6	All of the above plus WaterSense-labeled toilets (1.28 gpf max), urinals (0.5 gpf max)
Low-flow plumbing fixtures	8	All of the above plus WaterSense-labeled landscape irrigation controllers
High-efficacy lighting	4	At least 90% of all building lighting is “high efficacy” (defined in light output per watt of power input)
High-efficacy lighting	6	100% of all building lighting is “high efficacy” (defined in light output per watt of power input)
Lighting controls	2	Interior lighting controls with dimmers or sensors excluding bathroom and hallways
Lighting controls	2	Exterior lighting controls with automatic shut-off when daylight is present

Other - Innovative Design feature	2+	Provide other design features that conserve energy, promote sustainable landscapes, support public health or increase sustainability, to be awarded at the discretion of the Village Manager and reviewed on a case-by-case basis.
Diversion of waste from landfill	2	For projects involving demolition, provide documentation that at least 30% of all demolition materials will be reclaimed, recycled, or otherwise diverted from the landfill.
Diversion of waste from landfill	4	Demonstrate that at least 50% of all construction waste will be diverted from landfill for recycling and reuse.
Use of reclaimed/recycled materials	2	Demonstrate that at least 20% of buildings materials being used are reclaimed/recycled content.
Use of reclaimed/recycled materials	4	Demonstrate that at least one primary building material (such as roofing) is 50% or more post-consumer recycled content.
Use of locally sourced materials	2	Demonstrate that at least 10% of construction materials are extracted, harvested, recovered, or manufactured within 500 miles of the construction site
Use of locally sourced materials	4	Demonstrate that at least 20% of construction materials are extracted, harvested, recovered or manufactured within 500 miles of the construction site
Use of locally sourced materials	8	Demonstrate that 50% of construction materials are extracted, harvested, recovered, or manufactured within 500 miles of the construction site.
LEED Base Certification	14	Obtain USGBC Base Certification.
LEED Silver Certification	16	Obtain USGBC Silver Certification.
LEED Gold Certification	18	Obtain USGBC Gold Certification.
LEED Platinum Certification	20	Obtain USGBC Platinum Certification.
FGBC Bronze Certification	12	Obtain FGBC Bronze Certification.
FGBC Silver Certification	14	Obtain FGBC Silver Certification.
FGBC Gold Certification	16	Obtain FGBC Gold Certification.
FGBC Platinum Certification	18	Obtain FGBC Platinum Certification.
NGBS Bronze Certification	10	Obtain NGBS Bronze Certification.
NGBS Silver Certification	12	Obtain NGBS Silver Certification.
NGBS Gold Certification	14	Obtain NGBS Gold Certification.
NGBS Emerald Certification	16	Obtain NGBS Emerald Certification.

3. *Sec. 8.23:* Add new subsection C and D, expanding standards for EV charging stations, including ensuring that a minimum of 25% of the charging stations provided in any development are available with non-

proprietary connectors (generic connectors) and regulating battery charging equipment (e.g. screening and specifications). Exceptions for single-family districts are included.

4. *Sec. 8.30:* Add screening requirement for the installation of clotheslines.

5. *Sec. 8.31:* The existing language lists incentives for existing buildings not required to meet the green building program standards (e.g., a remodeling or addition). Staff propose to raise the minimum point threshold to qualify for the incentives from 8 to 12 points. The incentives listed have not been implemented, likely because additional evaluation of the fiscal and operational impacts is required. The proposed changes would empower the Village to study the feasibility of the existing listed incentives and any others (e.g., potential grants, tax credits) for potential implementation. [Later on, these provisions could be tied to the Workforce Housing Programs that the Village is considering establishing.]

Other changes not within the Green Building Program division of Chapter 8, but related to Sustainability and Resilience include:

- Addition of Section 9.31 – Compliance with water quality regulations: The design, construction, and maintenance of all stormwater systems in the Village shall meet the requirements of Section 53.104 of the Village's Code of Ordinances, as amended, to prevent discharge of pollutants into the surrounding waterways.

- Amendment of Section 10.2 – Definitions:

  N. Freeboard shall mean the additional height, usually expressed as a factor of safety in feet, above a flood level for purposes of floodplain management. Freeboard tends to compensate for many unknown factors, such as wave action, blockage of bridge or culvert openings, and hydrological effect of urbanization of the watershed, which could contribute to flood heights greater than the heights calculated for a selected frequency flood and floodway conditions. Minimum freeboard means two (2) feet.

- Amendment of Section 10.5.B – Provisions for flood hazard reduction: Specific standards:

  1. Residential construction. New construction or substantial improvement of any *Residential Building* (or manufactured home) shall have the lowest finished floor, including ~~basement~~ electrical, heating, ventilation, plumbing, air conditioning equipment, cable, telephone, and other service facilities such as duct work, elevated no lower than ~~two feet above the~~ base flood elevation plus minimum freeboard. Should solid foundation perimeter walls be used to elevate a structure, openings sufficient to facilitate the unimpeded movements of flood waters shall be provided in accordance with the standards of *Section 10.5.B.3.*

  [. . .]

  2. Nonresidential construction.
     a. New construction or substantial improvement of any commercial, industrial, or nonresidential building shall have the lowest floor, including basement, electrical, heating, ventilation, plumbing, air conditioning equipment, cable, telephone, and other service facilities, including duct work,

elevated no lower than ~~one foot above the~~ base flood elevation plus minimum freeboard or in accordance with the flood design established for the Flood Design Class established in ASCE 24 as adopted by the *Florida Building Code*, whichever is higher.

b. Buildings located in all A-Zones may be flood-proofed in lieu of being elevated provided that all areas of the building below the floodproofing are watertight with walls substantially impermeable to the passage of water, and use structural components having the capability of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy. Flood-proofed buildings shall be floodproofed no lower than ~~one foot above the~~ base flood elevation plus minimum freeboard or in accordance with the flood design established for the Flood Design Class established in ASCE 24 as adopted by the Florida Building Code, whichever is higher. A registered professional engineer or architect shall certify that the standards of this subsection are satisfied. Such certification shall be provided to the official as set forth in *Section 10.4*.

Attachment 1
DRAFT Proposed Changes to Chapter 8, Division 5, Green Building Program

DIVISION 5, GREEN BUILDING PROGRAM

§ 8.18 – Purpose and intent.

The *Village* has determined that the demolition, construction, and maintenance of buildings within the Village will have a significant impact on the Village's environmental sustainability, resource usage, waste management, and the health and productivity of the residents, employees, and visitors. *Green Building* construction increases the efficiency with which buildings and their sites use and harvest energy, water, and materials thereby reducing building impacts on human health, the environment, and the Village. The Village has also determined that the use of certified green building professionals during the design and planning of a project can significantly improve the sustainability of the finished product and the efficiency at which it is implemented.

§ 8.19 – Applicability.

The *Green Building* requirements of this Division shall apply to all *Zoning Districts*, Form-Based Districts and transect Zones within the Village and to the following development:

A. All new and substantial redevelopment applications for residential, commercial, office, hotels, and civic uses.

B. All new mixed-use development applications.

C. For any Village-owned civic or office construction project, the *Village* is expected to incorporate the ~~g~~Green ~~b~~Building requirements of this Chapter unless the *Village Commission*, in its sole discretion, demonstrates that the cost (e.g., time, function, or funding) associated with the requirements significantly outweighs the benefits to the Village.

§ 8.20 - Requirements.

Requirements for applications subject to the green building program are as follows:

A. All development subject to the green building program shall incorporate design options from the Table in ~~§~~*Section 8.21 Green Building Development Options and Points* to achieve the minimum number of points as specified below:

1. Single family residential shall achieve a minimum of ~~ten~~ twelve (1~~0~~2) points.
2. Multi-family residential shall achieve a minimum of ~~eighteen~~ twenty (~~18~~20) points.
3. Mixed-use projects shall achieve a minimum of twenty-four (2~~0~~4) points.
4. Commercial and Office projects shall achieve a minimum of twenty-four (2~~0~~4) points.
5. Hotel projects shall achieve a minimum of twenty-four (2~~0~~4) points.
6. Civic Uses shall achieve a minimum of twenty (20) points.

B. Upon site plan submittal, applicants shall provide a description of their proposed strategy to achieve the required number of points from the Table ~~§~~*Section 8.21 Green Building Development Options and Points*. In the case of projects pursuing certification through

an approved third-party ~~g~~Green ~~b~~Building ~~p~~Program, a completed official certification checklist shall be submitted with the application.

C. All development subject to the green building program shall retain a *USGBC LEED* Accredited Professional, *FGBC* Designated Professional, an accredited *NGBS* Green Verifier, or other verified green building accredited professional within their planning and design team.

D. For those projects pursuing green building certification through an approved third-party ~~g~~Green ~~b~~Building ~~p~~Program, the certification shall be obtained within twelve (12) months of the issuance of a certificate of occupancy (CO) by North Bay Village. Failure to submit the green building certification to the *Village* within this timeframe shall result in a Notice of Violation (NOV).

E. No pennants, ribbons, balloons, flags, banners, or similar material shall be placed on any *Green Building Feature*.

F. Certification signage or green feature acknowledgment plaques shall be pre-approved as a part of the permit issuance process.

§ 8.21 - Green building development options and points.

The table within this subsection lists green building design options, the points available for incorporating each design option, and a brief description of the design option standards.

Green Design Option	Points	Description
Gray water systems.	6	Reuse water from showers, bathtubs, clothes washing, and sinks (except kitchen sinks) for flushing toilets and urinals.
Solar-ready rooftop	2	Provides reserved breaker space and conduit
Photovoltaic System	4	Generate at least 30% of energy demand based on daytime peak load and on an annual basis.
Photovoltaic ~~s~~System	6	Generate at least 60% of energy demand based on daytime peak load and on an annual basis.
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Green Roof	4	At least 25% or more of roof surface area is green roof.
Green Wall	4	Green wall must cover at least forty (40) percent of the surface of the external wall.
White roof (also known as cool roof)	4	The entire roof surface must be covered in white/reflective covering and provide an initial and 3-year aged *Solar Reflectance Index (SRI)* as follows: • Low-sloped roofs with a slope less than or equal to 2:12: initial SRI of 82 and 3-year aged SRI of 64. • Steep-sloped roofs with a slope greater than 2:12: initial SRI of 39 and 3-year aged SRI of 32.
Cool Pavement	4	Provide a surface with an initial solar reflectance 20%, higher than the 5-10% reflectance of a dark asphalt parking lot.
Enhanced hurricane resistant structure	4	Meet a wind load 20 mph greater than *Florida Building Code* requirements.
LID/*Green Infrastructure* (e.g., use of bioswales, rain	2	Demonstrate efficacy of the system and provide maintenance plan.

gardens, cisterns, filtration media, etc.)		
SITES Certification for landscaping	2	Provide ~~C~~certification.
100% native plants in landscaping	2	Meet all landscaping requirements with 100% native vegetation.
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Lighting controls	2	Exterior lighting controls with automatic shut-off when daylight is present
Other - Innovative Design feature	2+	Provide other design features that conserve energy, promote sustainable landscapes, support public health or increase sustainability, to be awarded at the discretion of the *Village Manager* and reviewed on a case-by-case basis.
Diversion of waste from landfill	2	For projects involving demolition, provide documentation that at least 30% of all demolition materials will be reclaimed, recycled, or otherwise diverted from the landfill.
Diversion of waste from landfill	4	Demonstrate that at least 50% of all construction waste will be diverted from landfill for recycling and reuse.

Use of reclaimed/recycled materials	2	Demonstrate that at least 20% of buildings materials being used are reclaimed/recycled content.
Use of reclaimed/recycled materials	4	Demonstrate that at least one primary building material (such as roofing) is 50% or more post-consumer recycled content.
Use of locally sourced materials	2	Demonstrate that at least 10% of construction materials are extracted, harvested, recovered, or manufactured within 500 miles of the construction site
Use of locally sourced materials	4	Demonstrate that at least 20% of construction materials are extracted, harvested, recovered or manufactured within 500 miles of the construction site
Use of locally sourced materials	8	Demonstrate that 50% of construction materials are extracted, harvested, recovered, or manufactured within 500 miles of the construction site.
LEED Base Certification	14	Obtain USGBC Base Certification.
LEED Silver Certification	16	Obtain USGBC Silver Certification.
LEED Gold Certification	18	Obtain USGBC Gold Certification.
LEED Platinum Certification	20	Obtain USGBC Platinum Certification.
FGBC Bronze Certification	12	Obtain FGBC Bronze Certification.
FGBC Silver Certification	14	Obtain FGBC Silver Certification.
FGBC Gold Certification	16	Obtain FGBC Gold Certification.
FGBC Platinum Certification	18	Obtain FGBC Platinum Certification.
NGBS Bronze Certification	10	Obtain NGBS Bronze Certification.
NGBS Silver Certification	12	Obtain NGBS Silver Certification.
NGBS Gold Certification	14	Obtain NGBS Gold Certification.
NGBS Emerald Certification	16	Obtain NGBS Emerald Certification.

§ 8.22 - Submittal requirements.

At the time of application submittal, the applicant must submit:

A. Documentation identifying and verifying the credentials of the *USGBC* *LEED* accredited professional, *FGBC* Certifying agent, accredited *NGBS* Green Verifier, or other ~~g~~Green ~~b~~Building ~~p~~Program accredited professional on the applicant's team.

B. A checklist for each green building option, as identified in ~~§~~Section 8.21 ~~*Green Building Development Options and Points*~~, incorporated into the project design to achieve points.

C. If the applicant is pursuing a certification through a recognized third-party green building certification program (USGBC *LEED*, FGBC, NGBS, etc.), the points checklist, designated level of certification, and proof of application into the third-party green building program must be submitted. The applicant shall use the most current version of the chosen certification program.

D. The *Village* reserves the right to require a bond upon application for a project proposing a third-party green building certification to ensure completion of the project in accordance with the proposed green standards and receipt of the certification.

§ 8.23 – Electric vehicle charging stations.

To promote the health, safety, and general welfare of the citizens in the preparation for the increasing utilization of electric vehicles, and to ensure the *Village* provides the infrastructure necessary to support the transition to this technology, the following shall apply:

A. All new Multi-family residential and Mixed-use projects shall install a minimum number of *Electric Vehicle-Charging Station(s)* with the project at the rate of five (5) percent of the total number of required parking spaces. If five (5) percent calculates to a fractional number, that fractional number must be rounded up to the next higher whole number.

B. All new and substantial redevelopment of Commercial, Office, *Hotel* and Civic uses shall install electric vehicle-charging station(s) with the project at the rate of five (5) percent of the total number of required parking spaces. If five (5) percent calculates to a fractional number, that fractional number must be rounded up to the next higher whole number.

C. A minimum of 25% of the charging stations supplied in any development project shall provide for non-proprietary connectors.

D. Battery charging equipment shall:

1. Be screened from view from the right-of-way;
2. Be no higher than 72 inches from the finished floor/grade;
3. Contain a retraction device, coiled cord, or a place to hang cords and connectors above the ground surface;
4. Include, except in single-family residential districts, the following: (a) voltage and amperage levels; (b) pricing and usage fees, if any; (c) safety information; and (d) contact information to report issues relating to the operation of the equipment;
5. Be elevated or designed so that all electrical components are 12 inches above the 100 year flood plain; and
6. Be listed by Underwriters Laboratories (UL) 2202 “Standard for Electric Vehicle (EV) Charging System Equipment,” comply with the Florida Building Code, Society of Automotive Engineers (SAE) Standards for Charging Stations; comply with National Electrical Code (NEC) Standards for Battery Charging Equipment; and all applicable Federal Standards, as may be amended from time to time.

~~C~~E. An electric vehicle charging station *Sign* shall be posted at the electric vehicle charging station stating, "Electric Vehicle Charging Station." Signs shall be no less than 24 inches wide by 18 inches high. Color and letter size specifications shall meet the *Manual on Uniform Traffic Control Devices* (MUTCD) requirements for sign designation (electric vehicle charging). *Single-Family Residential* stations are not required to meet the MUTCD standards.

~~D~~F. The application documents for the project shall at a minimum identify the following:

1. The location where the vehicle(s) will be parked~~,~~;
2. The location of the charging station(s)~~,~~; and
3. The electrical plans showing the location of the meter, circuitry, panel schedules and routing.

~~E~~G. Any new single-family development that elects not to install an electric vehicle charging station, or any project proposing substantial improvements to an existing single-family home, shall install the electric lines and circuit breakers to readily accommodate future installation. Lines shall be installed up to the point where the charging station will be located.

Electric vehicle charging station(s) shall be deemed permitted accessory equipment to conforming and nonconforming buildings in all *Zoning Districts* and categories.

§ 8.24 – Bicycle parking / storage.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by ~~provide~~ providing support for alternative transportation methods.

A. Nonresidential development shall provide a minimum of six (6) secure bicycle parking / storage spaces for each 50,000 square feet of floor area, or part thereof.

B. Townhouse and multifamily development shall provide secure bicycle parking / storage spaces at a ratio of one space for each five residential units (1:5) or fraction thereof for those units that do have an accompanying individual dedicated enclosed garage.

C. The location of the bicycle space / storage shall be indicated on the site plan.

§ 8.25 – Rooftop photovoltaic solar systems and solar water heater systems.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of alternative energy systems and to encourage the installation of rooftop *Photovoltaic Solar Systems* and/or rooftop *Solar Water Heater* systems on *Buildings* and *Structures* within the *Village*.

A. Rooftop photovoltaic solar systems and/or solar water heater systems shall be deemed permitted accessory equipment to conforming and nonconforming buildings in all zoning categories and *Districts*. Nothing contained in this Chapter, including design standards or guidelines included or referenced herein, shall be deemed to prohibit the installation of rooftop photovoltaic solar systems or solar water heater systems that meet the requirements of this ~~s~~Section, as accessory equipment to conforming and nonconforming buildings, including buildings containing *Nonconforming Uses*.

B. In order to be deemed permitted accessory equipment, rooftop solar photovoltaic or solar water heater systems may exceed the permissible height limit in any district by not more than five (5) feet as specified in ~~§~~*Section 8.17.G~~. Height Exemptions~~*. For existing buildings non-conforming to height requirements, in order to be deemed permitted accessory equipment, solar photovoltaic or solar water heater systems may exceed the existing roof height by no more than five (5) feet.

C. Prior to the issuance of a permit, the property owner(s) must acknowledge, as part of the permit application, that:
   1. If the property is within a homeowners' association, condominium association, or otherwise subject to restrictive covenants, the property may be subject to additional regulations or requirements despite the issuance of a permit by the Village; and
   2. The issuance of a permit for a rooftop photovoltaic solar system or solar hot water system does not create in the property owner(s), or any successor or assign in title, or create in the property itself, a right to remain free of shadows or obstructions to solar energy caused by development adjoining on other property or by the growth of any trees or vegetation on other property or the right to prohibit the development on or growth of any trees or vegetation on another property.

D. To the extent that the Village has discretion regarding the removal or relocation of trees, solar access shall be a factor taken into consideration when determining whether and where trees may be removed or relocated.

E. Rooftop photovoltaic solar systems and solar ~~hot~~ water heater systems shall be properly maintained and be kept free from hazards, including, but not limited to, faulty wiring, loose fastenings, or being maintained in a condition that is unsafe or detrimental to public health, safety, or general welfare.

§ 8.26 – Green roof.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of *Green Roof* systems on *Buildings* and *Structures* within the *Village*. A green roof, also referred to as a living roof, shall mean a roof of a building that is partially or completely covered with vegetation and a growing medium, planted over a waterproofing membrane. It may also include additional components such as a root barrier, drainage and irrigation system, and soil containment.

A. Green roof systems shall be deemed permitted *Accessory Equipment* to conforming and *Nonconforming Buildings* in all *Zoning Categories*. Nothing contained in this ~~c~~Chapter, including design standards or guidelines included or referenced herein, shall be deemed to prohibit the installation of a green roof that meets the requirements of this ~~s~~Section, as accessory equipment to conforming and nonconforming buildings, including buildings containing *Nonconforming Uses*.

B. In order to be deemed permitted accessory equipment, the green roof structural components (non-vegetative components) may exceed the permissible height limit in any district by not more than five (5) feet as specified in ~~§~~*Section 8.17.G*. ~~*Height Exemptions*~~. For existing buildings non-conforming to height requirements, in order to be

deemed permitted accessory equipment, green roof structural components may exceed the existing roof height by no more than five (5) feet.

C. Prior to the issuance of a permit, the property owner(s) must acknowledge, as part of the permit application, that if the property is within a homeowners' association, condominium association, or otherwise subject to restrictive covenants, the property may be subject to additional regulations or requirements despite the issuance of a permit by the *Village*.

D. To be deemed a green roof for the propose of achieving points for *Green Building* requirements the green roof must cover at least twenty-five (25) percent of the total roof surface.

E. The green roof system shall be properly maintained and be kept free from hazards or conditions that are unsafe or detrimental to public health, safety, or general welfare and shall comply with the provisions established in the landscape code under ~~§~~*Section 9.25* ~~– Green Roof.~~

§ 8.27 – Green wall.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of green wall systems on *Buildings* and *Structures* within the Village. A *Green Wall*, also referred to as a living wall or vertical garden, shall mean an internal or external wall partially or completely covered with vegetation that includes a support structure and growing medium, and an integrated water delivery system.

A. Green wall systems shall be deemed permitted accessory equipment to conforming and nonconforming buildings in all *Zoning Districts*. Nothing contained in this Chapter, including design standards or guidelines included or referenced herein, shall be deemed to prohibit the installation of a green wall that meets the requirements of this ~~s~~Section, as accessory equipment to conforming and nonconforming buildings, including buildings containing *Nonconforming Uses*.

B. In order to be deemed permitted accessory equipment, the green wall structural components (non-vegetative components) may encroach into a side or rear yard setback by no more than (3) feet. For existing buildings non-conforming to *Setback* requirements, in order to be deemed permitted accessory equipment, green wall structural components may encroach into any required setback by no more than three (3) feet.

C. Prior to the issuance of a permit, the property owner(s) must acknowledge, as part of the permit application, that if the property is within a homeowners' association, condominium association, or otherwise subject to restrictive covenants, the property may be subject to additional regulations or requirements despite the issuance of a permit by the *Village*.

D. To be deemed a green wall for the propose of achieving points for *Green Building* requirements the green wall must cover at least forty (40) percent of the external surface on the wall on which it is constructed.

~~*E.*~~ The green wall system shall be properly maintained and be kept free from hazards or conditions that are unsafe or detrimental to public health, safety, or general welfare and shall comply with the provisions established in the landscape code under ~~§~~Section ~~8.27 – *Green wall*~~ this section.

§ 8.28 – Wind turbines.

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of alternative energy systems and to provide for the installation of *Wind Turbines* on rooftops or in *Yards* within the *Village*. Wind turbines may be a vertical axis helical design or a pole with blades 'windmill' type horizontal axis design.

A. Wind turbine systems shall be deemed permitted accessory equipment to conforming and nonconforming buildings in all *Zoning Districts*. Nothing contained in this Chapter, including design standards or guidelines included or referenced herein, shall be deemed to prohibit the installation of a wind turbine system that meets the requirements of this ~~s~~Section, as accessory equipment to conforming and nonconforming buildings, including *Buildings* containing *Nonconforming Uses*.

B. Due to design considerations and functionality requirements, an efficient wind turbine system has a design potential to exceed the permissible height limits established in this code. In order to be deemed permitted accessory equipment, the top of the wind turbine may exceed the permissible height limit in any district by not more than ten (10) feet as specified in ~~§~~*Section 8.17.G*. ~~*Height Exemptions*~~. Should a proposed wind turbine exceed the ten (10) foot limit it will need to be approved through the variance process as established *in Chapter 7~~, Variances~~*.

C. Wind turbines shall maintain the setbacks established for the zoning district in which it is placed. Wind turbines shall maintain sufficient setback to ensure if it tips over it will not fall on adjacent property.

D. Wind turbines shall not be placed in ~~a~~ *Front Yards* unless a variance in accordance with *Chapter 7~~, Variances~~* is granted.

E. Wind turbines shall comply with all requirements contained within *Chapter 96 ~~– Nuisances, Noise~~* of the *Village General Regulations*.

F. Installation of a wind turbine shall require a building permit and shall comply with all requirements of the *Florida Building Code*.

G. A private wind turbine proposed within a public *Right-of-Way* may only be allowed upon approval by the *Village Commission*.

H. Wind turbines proposed to be placed in or over water or on docking facilities will need to be approved through the variance process as established in *Chapter 7~~, Variances~~*.

§ 8.29 – Green infrastructure and low impact development (LID).

The provisions contained herein are intended to promote the health, safety, and general welfare of the citizens by removing barriers to the installation of *Green Infrastructure* or *Low*

Impact Development (LID) systems for stormwater management and/or water quality protection.

A. For projects that propose Green Infrastructure or Low Impact Development systems for stormwater management and/or water quality protection the applicant must demonstrate the proposed system meets the applicable stormwater management and/or water quality protection requirements as required by the *Village*, Miami-Dade County, the *South Florida Water Management District*, or the *Florida Department of Environmental Protection* as applicable.

B. The property owner shall provide the Village with the issued permit(s) from any external applicable jurisdictional agency if required for the ~~g~~Green ~~i~~Infrastructure or Low Impact Development system.

C. The ~~g~~Green ~~i~~Infrastructure shall be maintained to ensure the efficacy of the system in managing stormwater and protecting water quality.

D. Should ~~g~~Green ~~i~~Infrastructure be proposed within an *Easement*, at the time of application the applicant shall submit, a form signed by any holder of an easement or *Right-of-Way* on the property consenting to the installation of the ~~g~~Green ~~i~~Infrastructure within the easement or right-of-way, with an accompanying acknowledgement by the property owner that in the event the easement holder performs work in the easement that it is the property owner's responsibility to repair and replace the green infrastructure disturbed as a result of the work in the easement.

E. Private ~~g~~Green ~~i~~Infrastructure proposed within a public right of way, may only be allowed upon approval by the *Village Commission*.

§ 8.30 – Clotheslines.

Nothing in this ~~c~~Code precludes a property owner from installing and maintaining a clothesline in support of energy conservation measures. Installation of a clothesline shall conform to the following:

A. A clothesline cannot be installed in an easement without a form signed by any holder of an *Easement* on the property consenting to the installation within the easement with an accompanying acknowledgement by the property owner that in the event the easement holder performs work in the easement that it is the property owner's responsibility to repair and replace the clothesline if disturbed as a result of the work in the easement.

B. A clothesline cannot be installed in a *Right-of-Way*.

C. A clothesline must maintain at a minimum a fifteen (15) foot setback from a waterbody.

D. Clotheslines cannot be installed in a *Front Yard*. A clothesline cannot be installed in a *Side Yard* unless the required side yard setback can be met and there is a privacy fence or vegetated buffer screening the side yard from the adjacent property. A clothesline in the Rear Yard shall be screened from view from an adjacent property.

E. Clotheslines are deemed permitted accessory equipment to *Conforming* and *Nonconforming Buildings* in all *Residential Zoning* categories.

§ 8.31 –Incentives for green building.

To promote the health, safety, and general welfare of the citizens the *Village* shall provide incentives for voluntary incorporation of green building options.

A. The incentives shall apply to any development project not required by Section 8.19 ~~§ *8.18 – Applicability*~~ to incorporate green building requirements.

B. To be eligible for these incentives, an applicant must demonstrate they have achieved a minimum of ~~eight~~ twelve (~~8~~12) points from the development options table in ~~§~~*Section 8.21* ~~*– Green building development options and points*~~ to qualify for the incentive.

C. The Village shall explore provide~~e~~ing ~~the following~~ incentives to eligible and qualified applicants, such as but not limited to:

1. ~~Fast-track permitting~~Expedited processing for *Building Permits*.
2. Reduced permitting *Fee* or building permit fee rebate, which shall~~,~~ be established and amended~~,~~ by Resolution of the *Village Commission*.
3. Potential grants to assist with green and resilient retrofit projects for qualified households through the Village's Workforce Housing Trust.
4. Tax credit or tax exemption on the local portion of the property tax bill.

ITEM NO. 4B.

North Bay Village
Recommendation Memorandum

DATE: December 20, 2023

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Genesis Guevara, Assistant to the Village Clerk

SPONSORED BY:

SUBJECT: Discussion on Strategizing and Enhancing Community Engagement

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RECOMMENDATION

BACKGROUND AND ANALYSIS

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ITEM NO. 4C.

North Bay Village
Recommendation Memorandum

NORTH BAY VILLAGE
EST. 1945

DATE: December 20, 2023

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Genesis Guevara, Assistant to the Village Clerk

SPONSORED BY:

SUBJECT: Status Update on Recycling Contract

RECOMMENDATION

BACKGROUND AND ANALYSIS

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE

ITEM NO. 4D.

North Bay Village
Recommendation Memorandum

DATE: December 20, 2023

TO: Honorable Mayor, Vice Mayor and Members of the Village Commission

FROM: Genesis Guevara, Assistant to the Village Clerk

SPONSORED BY:

SUBJECT: Styrofoam and Generators Used During Village Sponsored Events

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RECOMMENDATION

BACKGROUND AND ANALYSIS

BUDGETARY/FINANCIAL IMPACT (Finance Dept.)
NONE

PERSONNEL IMPACT
NONE