Thank You to the 2019-2020 Sustainable Communities Division Sponsors!

Interested in sponsorship? Contact Karla Ebenbach (kebenbach@yahoo.com)
Contact

Website: planning.org/divisions/sustainable
Blog: sustainableplanning.net
LinkedIn: APA Sustainable Communities Division
Facebook/Twitter: APASCD
Email: APASCD@gmail.com
2020 Awards Overview

- **Deadline**: 5pm ET, January 18, 2020
- **Information packet** at sustainableplanning.net and planning.org/divisions/sustainable/awards/
Process

- Submission via web form
  - Word template provided on the website

- New for 2020
  - Revised categories
  - Clarified scoring structure
Nine Categories

- Community Plan
- Municipal, State, or Regional Plan
- Energy Plan or Project
- Policy, Law, or Tool
- Park, Recreation, or Open Space Plan or Project
- Green Infrastructure Plan or Project
- Transportation Plan or Project
- Urban Design Plan or Development Project
- Leadership in Sustainability
Notice of Updates or Clarifications

- We will keep track of FAQs here: apascd.wordpress.com/awards/
- If you would like to be directly notified of any substantial updates, please send an email to the awards coordinator (jenniferk@rhiplaces.com), with the subject line "SCD Award Updates"
Today’s Event

Award-Winning Sustainability 2019 (Part 2 of 2)

Building a Better Norfolk: A Zoning Ordinance for the 21st Century
◉ Jeremy Sharp, AICP | Zoning Administrator, City of Norfolk, VA

Los Angeles County Master Plan for Sustainable Parks and Recreation, Phase I
◉ Clement Lau, AICP | Departmental Facilities Planner, County of Los Angeles
Department of Parks and Recreation

Sustainable Design Assessment Team (SDAT) Program
◉ Joel Mills | Senior Director, American Institute of Architects Center for Communities by Design
The Sustainable Design Assessment Team (SDAT) Program
Greetings from Washington, DC
What is an SDAT?
The SDAT program brings together interdisciplinary teams of volunteer professionals to work with community members in an intensive public process.
What makes an SDAT Different?

“Consultants work for somebody. SDATs work for everybody.”
“Thanks in part to your superb efforts, we have concrete proof that group facilitation and group process methodologies yield significant, measurable results.”

“A replicable set of values and a process that can be broadly applied to urban design and sustainable communities; and the development of a participatory culture and applied values that explicitly recognize the central place of the public in the design of the built environment.”
What the Data Tells Us – US Example

• **American Planning Association (2012)** – “More than 50 percent want to personally be involved in community planning efforts, including more than half of Democrats, Republicans, and independents as well as majorities of urban, suburban, and rural respondents.”

• **Bloomberg Philanthropies American Mayors Survey (2018):** “While nearly all mayors engage in informing residents (e.g. press releases, social media), only 26 percent engage in crowdsourcing new ideas. Comparing the types of activities cities use to engage residents, they are most likely to be passive or expecting people to react to something the city has already done. Active engagement, particularly involving citizens to help solve city problems, is **not** regularly adopted by mayors.”

• **National League of Cities survey of U.S. Cities (2010)** - 81 percent use public engagement processes "often" (60 percent) or "sometimes" (21 percent)
The Fight for Urban Democracy Today

autocrats: Public Relations

• Sponsors decide on a course of action and then attempt to sell it to the public.
• People can feel manipulated and suspicious
• Often hinders them from thinking effectively about problems and challenges because it avoids exposing them to the full dialogue.
• PR seeks “buy-in”

democrats: Public Participation

• Sponsors engage public on the front end in dialogue to help understand the pros and cons of different actions and seek input, consultation, involvement, collaboration
• Builds common understanding of the issue and decision by hearing and understanding all viewpoints and information
• P2 seeks meaningful involvement
A failure of democracy

**Figure 2.** Percent of Respondents Who Described Civic Discourse in Their Community.

- **19%** Very polite and tolerant of different opinions
- **53%** Somewhat polarized and strident, occasionally rude
- **32%** Generally polite and tolerant of different opinions
- **6%** Very polarized and strident, often rude

*International City/County Management Association (ICMA) Survey*
How Planning Conflicts Get Framed Today

Skeptical? Take the Google Challenge – run a search on “public meeting ends in chaos” or any similar terms and you will find a world of public participation disasters occurring.

Shitty Neighborhood Rallies Against Asshole Developer

CHICAGO—Residents of the Carnley Gardens neighborhood on Chicago’s South Side are opposing an effort by asshole real-estate developer Royce Messner to build a godawful $45 million high-rise mall and condominium complex in the crime-ridden shithole they call home.

The Save Carnley Neighborhood Foundation, the most organized non-criminal group in this part of town, has filed a lawsuit in federal court to block the scheduled April 2008 groundbreaking. While halting the project would surely prevent a tragic urban-planning nightmare, it would also mean keeping the rundown, economically depressed community exactly as it is.

“Carnley is where I was born and raised, and it remains a tight-knit community,” said Foundation Chairman Althea Hynes at a fundraising block party held Monday on a broken bottle-and-condom-strewn stretch of Carnley Avenue where the money-grubbing Messner wants to put a soulless indoor food court. “Lots of young kids still play in the empty lots around here.

Messner, 54, a three-time Chicagoland “Builder of the Year” and all-time unbelievable scumbag who made his fortune in the 1990s converting public parks and cheap, blighted properties into high-rise luxury residences, is seeking to “revitalize” Carnley Gardens by razoring it and replacing it with a dammed cookie-cutter mixed commercial-residential development that would benefit no one who lives there now.

“People like this can never get through their heads is the fact that progress isn’t always painless,” the rapacious bastard said, as if he were talking about onions. "Nothing is just allow Messner to squat his bloated fat-cat ass over their neighborhood and dump a big concrete-and-glass yuppie turd onto everything they’ve ever known."

“There’s no way this city can allow some developer to just come in here and ruin our community,” said liquor store owner Carlos J. Jerez, demonstrating willful ignorance of Chicago history, the conditions immediately outside his door, and even his role in Carnley Gardens.

Residents march to protect their beloved, execrable squall (left). (Unreported pick Messner (above).)

said Hynes, "as living in a filthy, dangerous joke of a city was some kind of absurd to be standards."

Urban planning experts say that any opposition to the colossal asshole faces an uphill battle, as Carnley Gardens has been a wart on the face of Chicago for too long. Despite this, it seems that the determined Save Carnley group will not abandon its hope of rejecting the only development proposal their hopeless pit will see in the next two decades. "Poor communities are at a disadvantage against this type of developer, who speaks the language of City Hall," said Jackson Eisenberg, an architecture professor at Loyola University who has studied the effects of short-sighted, profit-oriented renewal and gentrification on dozens of bar areas. "It’s the same dilemma faced by the working-class [losers] in [rotten-ass] urban neighborhoods across America. "A shriveled, dicked businessman looking for a lucrative investment, [evil] Messner sees a rip-off opportunity here."

Mayor Richard M. Daley has yet to speak public about this.
The War Against NIMBYs

“NIMBYism – not-in-my-backyard – is rampant in California, sometimes erupting extemporaneously in response to development proposals, sometimes driven by misguided environmentalism.” – Sacramento Bee

Bad Process is costing the US Trillions
Local democracy’s death-cycle narrative

- Bad public processes...public expectations for meaningful participation unmet...conflict and civic frustration...loss of trust...apathy and declining participation by general public...dominance of extreme/activist voices and narrow interests...decline of civil dialogue...politicization and personalization of conflict...state of distrust, conflict, uncivil dialogue....government fear of public participation, civic anger...less participatory processes...increasing civic anger...loss of community and social capital...loss of faith in democratic institutions...loss of participatory traditions...loss of healthy democracy.
Lessons Learned

Communities with trust issues require more intensive engagement, higher levels of involvement
Commonly heard in communities today

“We have a unique community here. What works other places won’t necessarily work here.”

“We don’t need another plan. Please don’t build us a plan. We have plenty of them – they all sit on the shelves. We need help with strategies to implement.”
Brief Examples of Context/Scope

- Austin, TX (2012)
- Indianapolis, IN (2009)
- Louisville, KY (2016)
- St. Helens, OR (2014)
- Dubuque, IA (2008)
- Portland, ME (2009)
- Sipaulovi Village, AZ (2012)
- Healdsburg, CA (2018)
- Jeffersonville, IN (2018)
- Burlington, NC (2018)
- Lubbock, TX (2018)
Port Angeles:
• ~14 sq. miles, including 4 sq. miles of water
• Former timber town
• 2.5 hours from Seattle
• ~20k Population
• Gateway to Olympic National Park & Victoria, BC
• Natural deep water harbor
Immediate Implementation

1. Downtown parking study.
2. Increase downtown housing opportunity.
3. Form based codes.
4. Revise downtown parking regulations.
5. Return the Farmer's Market to the downtown.
6. Signage and wayfinding system.
7. Improve existing buildings.
8. Provide visitor information kiosks.
9. Create an entryway monument.
10. Create nodes / centers of key intersections.
Primary Achievements

• Façade Improvement Program
Primary Achievements

- Façade Improvement Program
- Signage & Wayfinding
Primary Achievements
- Signage & Wayfinding
- Façade Improvement Program
- Streetscape Improvements

03/10/2009
Primary Achievements

• Signage & Wayfinding
• Façade Improvement Program
• Streetscape Improvements
Primary Achievements

- Signage & Wayfinding
- Façade Improvement Program
- Streetscape Improvements
- Waterfront Redevelopment
Primary Achievements

- Signage & Wayfinding
- Façade Improvement Program
- Streetscape Improvements
- Waterfront Redevelopment
2. Port Angeles, Washington

Primary Achievements
• Signage & Wayfinding
• Façade Improvement Program
• Streetscape Improvements
• Waterfront Redevelopment
• 59% Tourism increase since 2009
Primary Achievements
• Signage & Wayfinding
• Façade Improvement Program
• Streetscape Improvements
• Waterfront Redevelopment
• 59% Tourism increase since 2009
• Average 48 new commercial occupancies/year
“Through the SDAT process, our community established a detailed implementation plan for positive change towards a sustainable future. Ten years after the SDAT, there continue to be new success stories which include improved public access to our waterfront and over sixty façade improvements integrated by a large number of area businesses. All the success stories visually illustrate SDAT’s direct benefit to our community.”

- Nathan West, Port Angeles City Manager
• 110 miles SE of SLC
• Founded in 1880’s
• Former coal town
• 2,012 residents
• Located on scenic route to 7 national parks
• Only Amtrak station between SLC and CO
• 12.5% poverty
Community-generated Tasks

What Can YOU do in the next 90 days?
- Volunteer My Time
- Clean Up/Plant Trees
- Promote Helper
- Support Local Businesses
- Main Street Investment
- Planning and Zoning
- Continue the Conversation!

If I had 1,000 Volunteers
- Clean Up the Town
- Clean up the River/Trails & Plant/Landscape
- Paint (murals, buildings, sidewalks, bridge)
- Support Businesses/Restore or Tear down buildings
Good public process sets the table for change by empowering CITIZENS!
Immediate Implementation

1. Downtown parks and public spaces.
2. Marketing and branding for small businesses.
3. River restoration.
4. Main Street redesign and streetscape improvements.
5. Façade rehabilitation and existing building improvements.
6. Community sponsored exhibitions for local artists.
7. Downtown mural walking tour.
8. Signage and wayfinding system to highlight assets.
9. Planning and zoning improvements.
Primary Achievements

• Creation of Boulder Park
Primary Achievements

• Creation of Boulder Park
Primary Achievements

• Creation of Boulder Park
• Pop-up shop program creating permanent businesses
Primary Achievements

• Creation of Boulder Park
• Pop-up shop program creating permanent businesses
• River restoration
Primary Achievements

- Creation of Boulder Park
- Pop-up shop program creating permanent businesses
- River restoration
- Main Street Improvements
Primary Achievements
• Creation of Boulder Park
• Pop-up shop program creating permanent businesses
• River restoration
• Main Street Improvements
• Signage and Wayfinding
Primary Achievements

- Creation of Boulder Park
- Pop-up shop program creating permanent businesses
- River restoration
- Main Street Improvements
- Signage & Wayfinding
- New Downtown Activation
“A community with hope is unstoppable. I can’t imagine being where we are today without the support, guidance and expertise the SDAT program afforded a small, struggling rural community in Utah. I deeply appreciate the work and cannot make a stronger, more honest recommendation of the SDAT program and the impact it has had on Helper City.” - Lenise Peterman, Helper Mayor
Thank You!

• Joel Mills, joelmills@aia.org
• Erin Simmons, esimmons@aia.org
• Program info: www.aia.org/cxd
• Want to connect? LinkedIn, Facebook, Twitter
Los Angeles County Master Plan for Sustainable Parks and Recreation: Phase I

Clement Lau, AICP, Departmental Facilities Planner
Master Plan for Sustainable Parks and Recreation: Phase I

- Phase I consists of **Community Parks and Recreation Plans** for six of the most park-poor unincorporated communities in Los Angeles County:
  - East Los Angeles
  - East Rancho Dominguez
  - Lennox
  - Walnut Park
  - West Athens-Westmont
  - Willowbrook

- Project was funded by a Sustainable Communities Planning Grant from the California Strategic Growth Council
Community Parks and Recreation Plans (2016)

NURTURING Neighborhoods

MULTIPLE BENEFITS

LA County’s Community Parks and Recreation Plans deliver community benefits beyond each park’s border.

ENVIRONMENTAL
- Improved air quality
- Stormwater management
- Heat island mitigation and temperature stabilization

SOCIAL
- Improved public health
- Improved community safety
- Enhanced community cohesion
- Improved walkability
- Stress reduction and improved academic performance

ECONOMIC
- Energy conservation and green infrastructure
- Increased property values
- Increased activity in retail areas

Project Highlight

Community Parks and Recreation Plans in Los Angeles County

The unprecedented expansion and growth in population and urban development in Los Angeles County has led to the development of new parks and recreation facilities, with the goal of enhancing the quality of life for residents. The plans are intended to make it easier for communities to access more engaging and healthy recreation options.

The plans are designed to meet community needs by providing a variety of recreational opportunities, including sports fields, playgrounds, nature trails, and cultural events. The plans also aim to promote environmental sustainability by incorporating green infrastructure and stormwater management strategies.

The plans include significant investments in new park amenities and infrastructure, such as playgrounds, picnic areas, and restrooms. The plans also prioritize accessibility for all residents, including those with disabilities.

The plans are intended to make it easier for residents to access more engaging and healthy recreation options, while also promoting environmental sustainability. The plans are expected to have a positive impact on community health and quality of life, as well as contributing to the overall sustainability of the region.
Community Parks and Recreation Plans (2016)

6 of the most park-poor communities

Data-driven park planning
Spatial Analysis - Intersectionality
Tree Canopy and Urban Forestry

**Figure 2.14: Existing Canopy Coverage**

**Figure 2.15: Species Composition**

**Table 2.4: Overview of Trees per Park**

**Table 2.6: Summary of Annual Net Environmental Benefits**

- **Stormwater (Gallons of Stormwater Intercepted)**
- **Air Quality (Pounds of Reduced Air Pollution)**
- **Carbon Dioxide (Pounds of CO2 Sequestered per Year)**

- **Tree Type**
  - Palm Species: 10.4%
  - Broadleaf Species: 69.4%
  - Conifer Species: 20.2%

- **DOMINANT SPECIES**
  - Canary Island pine: 13.4%
  - Jacaranda: 7.4%
  - Mexican fan palm: 6%
  - Evergreen: 4.8%
  - London plane tree: 4.5%
  - Brisbane box: 3.3%
  - Aleppo pine: 3.0%
  - Caragana: 3.1%
  - Cypress: 3.1%

- **ACREAGE**
  - El Sereno: 1.96
  - Belvedere Regional Park: 50.74
  - City Terrace Park: 10.94
  - Park de los Suenos: 0.61
  - Obregon Park: 175
  - Salazar Park: 164
  - Saybrook Park: 62

- **TOTAL**
  - 1,640 acres

- **Annuoal Net Environmental Benefits**

- **Pounds of Reduced Air Pollution**
  - Atlantic Avenue Park: 14,829
  - Belvedere Regional Park: 519,751
  - City Terrace Park: 471,813
  - Park de los Suenos: 61,062
  - Obregon Park: 308,116
  - Salazar Park: 184,908
  - Saybrook Park: 215,116

- **Pounds of CO2 Sequestered per Year**
  - Atlantic Avenue Park: 1,393
  - Belvedere Regional Park: 40,320
  - City Terrace Park: 36,602
  - Park de los Suenos: 5,467
  - Obregon Park: 44,065
  - Salazar Park: 11,500
  - Saybrook Park: 8,719

* Air Quality pounds includes emission of ozone (O3), nitrogen dioxide (NO2), particulate matter (PM2.5 and PM10), volatile organic compounds (VOC), and SO2, but does not take into account greenhouse gas (GHG) organic compounds (IPCC) emissions.
Community Engagement and Outreach
Community Meetings
Healthy Design Workgroup – Internal Collaboration
Green Vision and Planning
Potential Benefits and Impacts

**TABLE 5.1 SAMPLE PARK PROJECT WATER SAVING**

<table>
<thead>
<tr>
<th>Action</th>
<th>Estimated water use (gallons per year)</th>
<th>Estimated Water Savings (gallons per year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch spray heads to drip irrigation</td>
<td>202,848</td>
<td>57,646</td>
</tr>
<tr>
<td>Switch high water use plants to low water use plants</td>
<td>151,745</td>
<td>218,745</td>
</tr>
<tr>
<td>Add 3.5% or 5% organic matter compost</td>
<td>307,095</td>
<td>41,999</td>
</tr>
<tr>
<td>Add 3 inches of mulch to planting areas</td>
<td>275,995</td>
<td>69,999</td>
</tr>
</tbody>
</table>

**TABLE 5.2 EAST LOS ANGELES CARBON SEQUESTRATION UNDER EXISTING AND TARGET CANOPY COVERAGE**

<table>
<thead>
<tr>
<th>Land Use1</th>
<th>Existing Canopy</th>
<th>Target Canopy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Density Residential</td>
<td>336</td>
<td>1,599</td>
</tr>
<tr>
<td>High Density Residential</td>
<td>68</td>
<td>325</td>
</tr>
<tr>
<td>Commercial/Industrial</td>
<td>86</td>
<td>409</td>
</tr>
<tr>
<td>Industry/Utilities/Transportation</td>
<td>9</td>
<td>44</td>
</tr>
<tr>
<td>Open Space</td>
<td>58</td>
<td>275</td>
</tr>
</tbody>
</table>

Total |
1,262 | 1,103 | 3,729 |
Visions
Visions
Example of Plan Implementation

WOODCREST LIBRARY PLAZA

SITE SUMMARY
Woodcrest Library is part of the County of Los Angeles Public Library System. The library is located on the corner of Normandy Avenue and 325th Street. The main entrance into the library is from the parking lot along 325th Street, which includes a small patio space with trees. The library is currently planning an art installation project with the Los Angeles County Arts Commission, which will include a mural on the side of the building facing Normandy Avenue and a decorative shade sail in the patio. The design concept incorporates these elements into an expanded plaza.

COMMUNITY NEED
Woodcrest residents need a safe place for young people to play. Woodcrest Library already serves as a destination for young people and parents and expanding the site to include a small play area would enhance the capacity of the site and further solidify it as a community destination. Increasing activity at the library will ensure that it remains a safe destination and County staff working at the library can serve as “eyes on the plaza,” to monitor activity in the space.

SITE DESIGN
The central features of the new plaza are a small play area and space for outdoor reading. While a central walkway to the door is retained, much of the new area is paved with safety surfacing, which serves as a visual cue that the space is dedicated to playful activities. Play features include a small play structure and boulders for climbing. In some areas, the safety surface creates mounds to create a simple but playful experience to explore. These spaces can additionally be used to seating for small outdoor reading sessions. The site design also includes nobody bikes within the play area. These bikes are intended to be used by parents who want to be able to watch their children as they play.

While the plaza is connected to the sidewalk through a small stairway, the accessible route to the plaza and library door is maintained along the parking lot. The plaza area is framed on either end by an elevated planter which helps shield the space from the surrounding streets and keep plaza activity outside of the doorway to the library. Along the southern planter there is a bench for patrons who want to sit outside but not be in the play area. There are additionally bike racks close to the door. Trees planted within me planters, as well as the shade structure, will provide shade to the play area.
Countywide Parks & Recreation Needs Assessment (2016)

Unprecedented effort to document park needs countywide

Park metrics to determine level of park need

PARK METRICS

- How much park land is in the County?
- How much land is available to residents in the area around each park?
- What is the condition of the parks in the County?
- How much of the population has access to parks?

LOS ANGELES COUNTYWIDE COMPREHENSIVE PARKS & RECREATION NEEDS ASSESSMENT

MAY 9, 2016
Data for Equity-Based Park Planning and Resource Allocation
Nationwide Campaign to Increase Park Access

Increase percentage of residents within a 10-minute walk of a park

EVERYONE DESERVES A PARK WITHIN A 10-MINUTE WALK OF HOME.

10-mi

utewalk.org
10-Minute Walk Planning Work (2019)
Norfolk’s Resilient Zoning Ordinance
Jeremy E. Sharp, AICP
Zoning Administrator, City of Norfolk
Norfolk, Virginia

- Independent city of 246,000 (2nd largest in Virginia)
- 54 square miles, 144 miles of coastline, 97% developed
- World’s largest Naval Station and Port of Virginia (3rd busiest on east coast)
How We Got Here

• Previous Zoning Ordinance Adopted in 1992
• New comprehensive plan adopted in 2013
• Norfolk joined 100 Resilient Cities in 2013
• Comprehensive resilience strategy adopted in 2015
• Sea level rise action plan, Vision 2100, adopted in 2016
Norfolk’s Long History of Flooding
Flooding is Only Getting More Common
Increasing Sea Level Rise and Flood Risk

Sea levels with 2-3 feet of (relative) water rise

Flood zones with 2-3 feet of (relative) water rise
Resilience in Norfolk

• Norfolk’s Resilience Challenges
  • Coastal Resilience
    • Recurrent flooding and SLR
  • Economic Resilience
    • Navy and Port are dominant; too little else
  • Social (Neighborhood) Resilience
    • Concentrated poverty; disconnected communities
Zoning Ordinance Rewrite

How can zoning respond to resilience challenges?
Zoning Ordinance Rewrite

• 3½-year process
• 1,000’s of residents reached
  • 100+ public/stakeholder presentations
  • 23 presentations to outside groups
  • Series of workshops with Tidewater Builders Association
• Council adoption January 23, 2018
  • Went live March 1, 2018
Norfolk adopted the most stringent freeboard requirement in region in 2013:

- 3 feet in SFHA
- 18 inches in Shaded X
- Other localities followed
- 16”-24” everywhere else in City as part of new Zoning Ordinance
But, Beyond Freeboard…

Resilience Quotient
Coastal Resilience Overlay

Flexible Zoning Districts
Hierarchical Use Tables

Coastal

Economic

Neighborhood

Form Standards
Neighborhood Resilience Overlay
RESILIENCE FEATURES IN THE ORDINANCE

BASE STANDARDS
required for all development

RESILIENCE QUOTIENT
FORM STANDARDS
FLEXIBLE ZONING DISTRICTS

RESILIENCE OVERLAYS
dependent on location

COASTAL RESILIENCE OVERLAY
(raises baseline standards)

NEIGHBORHOOD RESILIENCE OVERLAY
(customized development and use regulations)

UPLAND RESILIENCE OVERLAY
(special provision for extinguishing development rights on properties in CRO)
RESILIENCE FEATURES IN THE ORDINANCE

- **BASE STANDARDS**
  - required for all development

- **RESILIENCE QUOTIENT**

- **FORM STANDARDS**

- **FLEXIBLE ZONING DISTRICTS**

- **RESILIENCE OVERLAYS**
  - dependent on location

  - **COASTAL RESILIENCE OVERLAY**
    - raises baseline standards

  - **NEIGHBORHOOD RESILIENCE OVERLAY**
    - customized development and use regulations

  - **UPLAND RESILIENCE OVERLAY**
    - special provision for extinguishing development rights on properties in CRO

Building a Better Norfolk

a zoning ordinance for the 21st century
Resilience Quotient Example
## Points Breakdown

<table>
<thead>
<tr>
<th>Total Project (96 townhomes, 30,000 sf retail)</th>
<th>8.0 points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Component 1</strong></td>
<td></td>
</tr>
<tr>
<td>Construct to 110-mile wind</td>
<td>2.0</td>
</tr>
<tr>
<td>Elevate the ground story first floor elevation</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Component 2</strong></td>
<td>3.0</td>
</tr>
<tr>
<td>Treat 25% of site generated runoff</td>
<td>1.0</td>
</tr>
<tr>
<td>Treat an additional 25% of site generated runoff</td>
<td>1.0</td>
</tr>
<tr>
<td>Provide fenced community space</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Component 3</strong></td>
<td>2.0</td>
</tr>
<tr>
<td>Equip each unit with a generator hookup</td>
<td>1.0</td>
</tr>
<tr>
<td>Provide 2 operable windows on 2 exterior walls</td>
<td>0.5</td>
</tr>
<tr>
<td>Re-use existing non-historic retail building</td>
<td>0.25</td>
</tr>
<tr>
<td>Install tankless water heating system (in 1/2 units)</td>
<td>0.25 (1/2)</td>
</tr>
</tbody>
</table>
RESILIENCE FEATURES IN THE ORDINANCE

BASE STANDARDS
required for all development

RESILIENCE QUOTIENT

FORM STANDARDS

FLEXIBLE ZONING DISTRICTS

RESILIENCE OVERLAYS
dependent on location

COASTAL RESILIENCE OVERLAY
(raises baseline standards)

NEIGHBORHOOD RESILIENCE OVERLAY
(customized development and use regulations)

UPLAND RESILIENCE OVERLAY
(special provision for extinguishing development rights on properties in CRO)
Resilience Overlays

• Coastal Resilience Overlay
  • Applies to high flood risk areas, requiring:
    • Higher first-floor elevations
    • Additional open space and landscaping
    • Additional resilience elements
    • Limits on parking

• Upland Resilience Overlay
  • Applies outside high flood risk areas
  • Permits reduced resilience requirements in exchange for a conservation easement placed on another, high-risk property
Conversation

Jeremy Sharp, AICP
Zoning Administrator, City of Norfolk, VA
Jeremy.Sharp@norfolk.gov

Clement Lau, AICP
Departmental Facilities Planner, County of Los Angeles Department of Parks and Recreation
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