

Monroe County Climate Change Advisory Committee Meeting

Meeting Agenda September 12th, 2016

2798 Overseas Highway

Marathon Government Center

Second Floor

Marathon, FL 33050,

12:30 p.m. – 4:00 p.m.



- I. Review and Approval of Meeting Agenda and August 8th Minutes –Bob
- II. Public Comment
- III. Report on TO DO and ACTION items
 - a. PACE Recommendation (Michael- Rhonda)
 - b. Energy Manager Recommendation (All- Oct)
 - c. Yearly Activities Report- Annual Report (Alicia)
 - d. Meeting Attendance Phone/Electronic (Ed)
 - e. AAA (Michael Roberts- if available)
 - f. Height Recommendation (Alison)
- IV. Presentation- Solar Lisa Kaul
- V. Marathon Library Solar by Solar Education Association of the Florida Keys.
- VI. Discussion of 2-3 top climate issues (30 minutes)
- VII. BOCC Committee report- Annual Report will be annually
 - a. Develop 2016 Report- 2017 Sept we will give annual report and ask for extension
- VIII. SAP ITEMS
 - a. 1-24 Establish criteria and specifications that require energy efficiency in all new public construction, facility improvements, renovations or additions. These should go into bid and contract documents with designers, contractors, and engineers. They should include requirements for high efficiency HVAC equipment, efficient lighting, EnergyStar or similarly certified appliances, thermal resistance values (R-value and U-value) for insulation and windows, motor efficiency, controls and settings, and others.
-Energy Efficiency Conservation Strategy (2012) still has unmet goals, Michael Larson will draft specific goals for Florida Green Building Council recommendation CCAC recommended that bid and contract require sustainability points
 - b. 1-34 Create an Environmentally Preferable Purchasing (“EPP”) program. Develop procurement specifications for materials reuse, reduced packaging, materials with recycled content, and other waste management strategies.
-Alicia will develop and CCAC will contribute target date Dec 2016
 - c. 1-20 Develop a geographic database to document nuisance flooding events.
-Alison will help CCAC find example to recommend and will provide outreach for photo collection

- d. 1-40 Develop site level assessments that characterize resistance of above ground structures and associated electrical components to damage from extreme event flooding.
-CCAC would like to provide input and recommendation to BOCC
- e. 1-41 Develop and maintain recording protocols and, as necessary, engineering assessments to assess resilience of below-grade pipes and pump infrastructure to increased saltwater incursion associated with sea level rise.
-CCAC would like to provide input and recommendation to BOCC
- f. 1-42 Support Fair Insurance Rates in Monroe (“FIRM”) in building partnerships with engineering companies willing to provide discounted elevation certificates to promote better elevation data.
-CCAC would like to provide input and recommendation to BOCC

IX. Break 2:40-2:45

X. Communications Plan

- a. Upcoming public meetings
- b. Timeline and assign tasks

XI. New Business

- a. Workshop presentation - Vicki

Appointed Members:

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|-----------------------------------|----------------|-------------|
| Bob Glazer (Chair) | Ed Russo | Shirley Gun |
| Michelle Robinson | Perry Johnston | |
| Lisa Kaul | Chris Bergh | |
| Vicki Boguszewski (Vice Chair) | Michael Larson | |

Advisory members; TJ Patterson, Julie Cheon, Alison Higgins

Staff / Office:

Commissioner Carruthers / BOCC Liaison
 Alicia Betancourt / Extension Service- Staff Liaison
 Rhonda Haag / Sustainable Program Manager
 Pedro Mercado / County Attorney
 Michael Roberts / Growth Management

ADA ASSISTANCE: If you are a person with a disability who needs special accommodations in order to participate in this proceeding, please contact the County Administrator's Office, by phoning (305) 292-4441, between the hours of 8:30 a.m. - 5:00 p.m., no later than five (5) calendar days prior to the scheduled meeting; if you are hearing or voice impaired, call "711"

CCAC REVIEW OF YEAR 1 PROJECTS-

| Year 1 Projects (2016) | |
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| Recommended Projects | |
| 1-1 | Hold three (3) community workshops to discuss sea level rise with stakeholders. CCAC suggested 'deputizing' members and send them both before and after the 3 larger meetings to give short presentations to Rotary, Homeowner groups, Chamber ect.. Rhonda can develop a short 'canned' speak that members can give about the projects and impacts such as LiDar. Suggestions included; doing meetings in high season, sending chamber email blast and having a clear mission- point to the meetings |
| 1-2 | Provide annual progress reports on the implementation of the GreenKeys! Sustainability Action Plan. Suggestion of producing a summary of yearly CCAC activities and report to BOCC |
| 1-3 | Maintain and enhance programs, like canal restoration, to improve water quality nearshore and offshore to reduce environmental stressors exacerbated by sea level rise and increasing ocean temperatures. |
| 1-4 | Address sea level rise and climate change resilience in annual County budgeting process. Need outcomes from the form developed to track sustainability spending in the capital improvement plan, need a identical form for reporting \$ for sustainability within general budget |
| 1-5 | Update annual legislative package to include sustainability and sea level rise practices. Compact |
| 1-6 | Continue canal restoration, sea level rise, and land acquisition programs. |
| 1-7 | Encourage worksite wellness programs that provide physical activity and weight loss programs at work. |
| 1-8 | Create an internal and external Sustainability Newsletter for distribution. CCAC would like to contribute a column quarterly |
| 1-9 | Continue supporting the implementation of traditional coral reef management actions as strategies for supporting the maintenance of functional coral reef systems under rapid climate change. Such actions should include decreasing nutrient and sediment loads, continued restoration of apex predator populations, and creation of physical reef structures that may enhance recruitment of hard coral species. Jerry Stein |
| 1-10 | Continue cooperation with federal, state, and private partners in support of coral reef restoration initiatives to support the implementation of strategies that may promote long-term recovery and resilience of the Florida Keys coral barrier reef system in the face of future climate change. Done- ongoing |
| Recommended Projects | |
| 1-11 | Continue invasive exotic species management. |
| 1-12 | Continue cooperation with federal, state, and private efforts to research, implement, and improve seagrass replanting efforts. |
| 1-13 | Enforce regulations (e.g. limiting development or redevelopment in particularly vulnerable areas) or offer incentives (e.g. points or permit fee reductions for elevating or floodproofing structures) to encourage residents/businesses to shift behavior to prepare for future climate change impacts. Suggestion- CCAC can make LDR recommendations such as using ROGO more effectively to incentivize KW – CCAC workshop to look at piolet program Sept with follow up for second workshop to determine CRS impacts |
| 1-14 | Track utility data through FacilityDude program to target and further reduce energy inefficiencies. |
| 1-15 | Conduct next phase of energy auditing on County facilities and link upgrades to capital asset improvements. Install low-flow water conserving fixtures and energy saving features throughout County facilities. |
| 1-16 | Develop energy saving policies for County facilities and hire, assign or contract for a County-wide Energy Manager. CCAC to recommend energy manager- put on agenda for OCT |
| 1-17 | Expand County's use of renewable energy through the installation of electric vehicle charging stations and solar lighting. To monitor progress, develop a baseline for current renewable energy use. |
| 1-18 | Develop more accurate elevation data (LIDAR) County-wide. CCAC recommended |
| Recommended Projects | |
| 1-19 | Pilot project to conduct a Comprehensive Feasibility Study for Enhanced Stormwater and Tidewater Criteria (prioritizing areas) for near-term areas subject to inundation risk, including nuisance flooding (in two locations). |

CCAC REVIEW OF YEAR 1 PROJECTS-

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| 1-20 | Develop a geographic database to document nuisance flooding events. Alison will help CCAC find example to recommend and will provide outreach for photo collection |
| 1-21 | Perform further analysis with improved elevation data for the Bayshore Manor assisted living retirement home. |
| 1-22 | Develop a Sustainability Handbook for business owners on the County's GreenKeys! website. |
| 1-23 | Use County libraries as a platform to promote environmental and social engagement. CCAC will include in communications plan |
| 1-24 | Establish criteria and specifications that require energy efficiency in all new public construction, facility improvements, renovations or additions. These should go into bid and contract documents with designers, contractors, and engineers. They should include requirements for high efficiency HVAC equipment, efficient lighting, EnergyStar or similarly certified appliances, thermal resistance values (R-value and U-value) for insulation and windows, motor efficiency, controls and settings, and others. Energy Efficiency Conservation Strategy (2012) still has unmet goals, Michael Larson will draft specific goals for Florida Green Building Council recommendation CCAC recommended that bid and contract require sustainability points |
| 1-25 | Use baseline GHG emissions data moving forward for forecasting emissions reductions and for setting additional municipal and community reduction targets. CCAC made recommendation |
| 1-26 | Encourage diverse community involvement in County government. Post vacancies and announcements regarding governmental boards in public locations. Include in GreenKeys newsletter and communication plan |
| 1-27 | Adopt policies or regulations that increase overall market demand for green buildings and associated materials, renewable energy products or infrastructure, and recyclable products. |
| 1-28 | Provide outreach to increase green and resilient construction practices for retrofits and encourage sustainable business practices and new economic opportunities. Communication about PACE, maybe use DEO programs |
| 1-29 | Establish an interim GHG emissions reduction target for 2030, consistent with timeframe of County's latest Comprehensive Plan, for a 40% reduction by 2030 as compared to the 2012 baseline. Done |
| Recommended Projects | |
| 1-30 | Create a web-based clearinghouse for best management practices, local data, tools, and tracking for the business community. |
| 1-31 | Develop criteria for Adaptation Action Areas and adoption in Comprehensive Plan. CCAC completed recommendation- waiting for staff to complete |
| 1-32 | Adopt a policy to facilitate and encourage web/telephone conferencing at meetings in lieu of in-person attendance where possible. CCAC recommended- Ed will follow up |
| 1-33 | Build local government capacity to better understand local coastal hazard risks, and analyze the legal and policy factors that impact adaptation responses. (NOAA grant) End products will include: <ul style="list-style-type: none"> • A participatory VCAPS³ assessment for Monroe County; • HAZUS⁴ damage valuations and visualizations for County; • Law and policy analysis of issues directly affecting local adaptation capabilities; • Regional analysis comparing how state and local regulatory environment impacts resilience planning and adaptation. |
| 1-34 | Create an Environmentally Preferable Purchasing ("EPP") program. Develop procurement specifications for materials reuse, reduced packaging, materials with recycled content, and other waste management strategies. Alicia will develop and CCAC will contribute target date Dec 2016 |
| 1-35 | Encourage sustainable business practices such as recycling and use of local and sustainably-grown products. Hold at least one annual briefing with predominant Chambers of Commerce to discuss opportunities for enhancing sustainability incentives/ initiatives. CCAC will add to communication plan |
| 1-36 | Reformat Sustainability Director position title and responsibilities to Resiliency Director. |

CCAC REVIEW OF YEAR 1 PROJECTS-

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| 1-37 | Encourage and partner with municipalities to expand “arts districts” and events to promote them. CCAC will add to communication plan |
| 1-38 | Continue to attract and sponsor major arts, design, music and cultural events as a way of bringing tourists into the County. |
| 1-39 | Encourage sustainable practices in all of Monroe County’s Art in Public Places Program. CCAC will add to communication plan- all programs |
| 1-40 | Develop site level assessments that characterize resistance of above ground structures and associated electrical components to damage from extreme event flooding. CCAC would like to provide input and recommendation to BOCC |
| 1-41 | Develop and maintain recording protocols and, as necessary, engineering assessments to assess resilience of below-grade pipes and pump infrastructure to increased saltwater incursion associated with sea level rise. CCAC would like to provide input and recommendation to BOCC |
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