

# APOSTLE ISLANDS NATIONAL LAKESHORE

## Stewardship Matrix

### Documents, Spreadsheets, and Spreadsheet Purpose

#### Documents

Integrated Environmental Plan Procedures

#### Spreadsheets

[Environmental Stewardship Matrix](#)

Integrated Environmental Plan Workbook

Impacts and Future Vision

Regulatory Requirements

#### Spreadsheet Purpose

House best management practices currently used on a daily basis

Holding place for potential future environmental initiatives, goals, and objectives

Documents accomplishments for the long-term

### Workbook Navigation

The tabs correspond with the numbered and colored sections in the IEP Framework document.

 ACCOMPLISHMENTS

 BEST MANAGEMENT PRACTICES

 NEW IDEAS

 INTRO & INDEX



This tab lists completed Objectives. Each row can be cut and pasted directly from tab 4. Goals, Obi & Progress in the IEP Workbook

| Goal Heading | Unique ID | Objective                                                    | Target/Metric                                                                                                                                                                                                                                                                                                                                                                                                       | Start Date | Status    | Last Progress Update                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Completion Date | Responsible Party-Leader/Goal Member                                  | Impacts | Future Vision                              | Resources Needed                                                             | Documents & Records | Notes                                         |
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| GOAL 1       | 2015.1a   | REDUCING ENERGY USE                                          | Using the park's Climate Leadership in Parks (CLIP) Tool, compare 2010 and 2014 data for fleet fuel consumption and facility-                                                                                                                                                                                                                                                                                       | 9/15/2015  | completed | Report is complete, reviewed by Green Team and Squad, will be shared with all park staff.                                                                                                                                                                                                                                                                                                                                                                                                | 10/08/15        | Acting Chief of Facility Management / Biologist and Green Team        | FF, FO  | Energy, Transportation                     | Peggy Burkman and Abby Derix will help with data, but not until end of field |                     |                                               |
| GOAL 1       | 2015.1b   | REDUCING ENERGY USE                                          | Increase energy efficiency at the Little Sand Bay East and West Quarters. Work includes replacement of windows and/or storm windows, wall and attic insulation, replacement of old lighting, and replacement of doors. Also included will be exterior landscaping to maximize sunlight to the structures. Selected materials and replaced components for the housing units will be as energy efficient as possible. | 5/1/2015   | completed | All work has been completed.                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10/11/15        | Chief of Facility Management / B & U Supervisor                       | TBD     | Energy                                     |                                                                              |                     | Background:<br>Potential obstacles:<br>Other: |
| GOAL 1       | 2015.1c   | REDUCING ENERGY USE                                          | Planning and Resource Management will document savings of combined boat trips to reduce fuel consumption. Report if this method could be used parkwide to measure combined trips.                                                                                                                                                                                                                                   | 5/1/2015   | ongoing   | Data is being collected                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | Chief of PRM / Biologist                                              | FF      | Transportation                             |                                                                              |                     |                                               |
| GOAL 2       | 2015.2    | SHARING PARK SUSTAINABILITY STORIES                          | Highlight park sustainability stories with the public as provided by each park division.                                                                                                                                                                                                                                                                                                                            | 7/5/2015   | completed | at least 2 stories posted to Park Facebook page.                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11/1/2015       | Chief of Interpretation and Education / Division Chiefs               | SW, UW  | Training and Outreach                      |                                                                              |                     |                                               |
| GOAL 3       | 2015.3    | INCORPORATING CLIMATE CHANGE MESSAGES INTO INTERPRETATION    | No specific programs targeted.                                                                                                                                                                                                                                                                                                                                                                                      | 5/1/2015   | completed | GWOW teacher conference happening this week. 30 teacher learning how to incorporate climate change into classroom.                                                                                                                                                                                                                                                                                                                                                                       | 9/30/2015       | Chief of Interpretation and Education / Assistant Chief Intern and Ed | TBD     | Training and Outreach                      |                                                                              |                     | Background:<br>Potential obstacles:<br>Other: |
| GOAL 4       | 2015.4a   | OTHER PARK-GENERATED CLIMATE CHANGE/SUSTAINABILITY EMS GOALS | Write and implement a Green Purchasing Plan or Superintendent's Order                                                                                                                                                                                                                                                                                                                                               | 5/1/2014   | completed | APIS now has a Green Purchase Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11/19/15        | Chief of Business Services / Administrative Assistant, IT Specialist  | TBD     | Procurement                                |                                                                              |                     |                                               |
| GOAL 4       | 2015.4b   | OTHER PARK-GENERATED CLIMATE CHANGE/SUSTAINABILITY EMS GOALS | Proactively work with the Northwoods Cooperative Weed Management Area and surrounding communities (Ashland, Washburn) to prevent garlic mustard from entering the park's forests. This includes supporting onsite treatment actions and educational efforts.                                                                                                                                                        | 4/1/2015   | completed | Weed Management Cooperative and NPS staff met with Public Works. Garlic mustard "pull" with 10 Washburn School students accomplished. EPMT lead and APIS attended. Treated area. This site will need ongoing attention.                                                                                                                                                                                                                                                                  | 6/15/2015       | Chief of Planning and Resource Management / Biologist                 | TBD     | Natural Resources and Ecological Integrity |                                                                              |                     |                                               |
| GOAL 4       | 2015.4c   | OTHER PARK-GENERATED CLIMATE CHANGE/SUSTAINABILITY EMS GOALS | Conduct spill response exercise (this could be part of our annual Hazwoper training) in the park in 2015.                                                                                                                                                                                                                                                                                                           | 5/15/2015  | completed | 7 NPS employees and 2 US Coast Guard (Marine Safety Unit) participants conducted training in May where they reviewed spill response trailers.                                                                                                                                                                                                                                                                                                                                            | 5/28/2015       | Chief of Protection / Park Rangers (P)                                | WP      | Hazardous Materials and Spills             |                                                                              |                     |                                               |
| n/a          | 2015      | REDUCING ENERGY USE                                          | n/a                                                                                                                                                                                                                                                                                                                                                                                                                 | n/a        | completed | In 2015 APIS was able to repair and refurbish a used Global Electric Mobile (GEM) electric car acquired through property transfer. The GEM will be used at the maintenance facility to help mobilize tools and equipment from storage to the marina, helping reduce the need to operate petroleum fueled trucks. (this could be CFP goal "Acquire at least one super high efficiency vehicle for employee use between work sites or for local businesses. Investigate "smart cars" as an | 8/1/2015        | Chief of Facility Management                                          |         | Energy                                     |                                                                              |                     |                                               |

|        |         |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |            |                                                                                                                                                                                                                                                                                                               |          |                                           |        |                                            |  |  |                                               |
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| GOAL 1 | 2014.1b | REDUCING ENERGY USE                                          | Working with MWRO staff, cleans up past data in our Energy Management and Conservation Reports or enters memo to the files on why it changed in 2013.                                                                                                                                                                                                                                                                                                                                   | 9/1/2014   | completed  | Peter cleaned up the data in the Energy Management System EMDRS, based on David Ha's recommendations.                                                                                                                                                                                                         | 11/01/14 | Chief of Facility Management              | TBD    | Energy                                     |  |  | Background:<br>Potential obstacles:<br>Other: |
| GOAL 1 | 2014.1c | REDUCING ENERGY USE                                          | Put in place a way to track boat fuel use by project vs. normal park operations prior to the start of the 2014 boating season.                                                                                                                                                                                                                                                                                                                                                          | 5/1/2014   | completed  | Sheets are being filled out by boat operators and Steve is collecting them. Denise has been entering data, up to date to end of Aug. Ken will continue till end of season.                                                                                                                                    | 11/18/14 | Chief of Facility Management              | FF     | Transportation                             |  |  |                                               |
| GOAL 1 | 2014.1d | REDUCING ENERGY USE                                          | Analyze the reported increase in the park's PURCHASED ELECTRICITY use between 2006 and 2010 (per the CLIP tool) and recommend                                                                                                                                                                                                                                                                                                                                                           | 5/1/2014   | completed  | The missing number from the 2006 electric data has been found. Heidi and Abby are working on an efficient way to collect the 2014 data for clip, taking into account the changes made since the use of FBMS.                                                                                                  |          | Chief of Facility Management              | TBD    | Energy                                     |  |  | Background:<br>Potential obstacles:<br>Other: |
| GOAL 2 | 2014.2  | SHARING PARK SUSTAINABILITY STORIES                          | During Light House Project work, the park will highlight green practices (materials, energy, recycling) and educate the public about these practices.                                                                                                                                                                                                                                                                                                                                   | 10/1/2014  | 10/30/2015 | One highlight was submitted and posted to Facebook.                                                                                                                                                                                                                                                           |          | Chief of Facility Management              | SW, UW | Training and Outreach                      |  |  |                                               |
| GOAL 3 | 2014.3  | INCORPORATING CLIMATE CHANGE MESSAGES INTO INTERPRETATION    | The park incorporates key climate change messages from the regional Climate Change Response and Green Parks Strategy into public and school programs, electronic media, and social media where appropriate and provides park audiences, students, neighbors, nearby communities, and park partners with specific examples about how climate change affects, and is projected to affect, park resources and visitor experiences along with management adaptation strategies and actions. | 9/30/2014  | completed  | The Park consistently incorporated climate change messages into public programming on Stockton Islands as well as through partnership programming with our Teacher Workshop. These strategies were also presented through monthly Facebook "Climate Change did You Know" posts as well as the park newspaper. |          | Chief of Interpretation and Education     | TBD    | Training and Outreach                      |  |  | Background:<br>Potential obstacles:<br>Other: |
| GOAL 4 | 2014.4b | OTHER PARK-GENERATED CLIMATE CHANGE/SUSTAINABILITY EMS GOALS | Construct new finger piers with a flexible design that is responsive to climate-change driven lake levels                                                                                                                                                                                                                                                                                                                                                                               | 9/30/2013  | completed  | The finger piers have been completed and are working as planned.                                                                                                                                                                                                                                              |          | Chief of Facility Management              | TBD    | Natural Resources and Ecological Integrity |  |  |                                               |
| GOAL 4 | 2014.4c | OTHER PARK-GENERATED CLIMATE CHANGE/SUSTAINABILITY EMS GOALS | Develop new design for Sand Island East Bay dock that is responsive to climate-change driven lake levels                                                                                                                                                                                                                                                                                                                                                                                | 9/30/2013  | completed  | The Corp. design for Sand Island dock is complete and has been incorporated into the preferred alternative for the Sand Island plan.                                                                                                                                                                          |          | Chief of Planning and Resource Management | TBD    | Natural Resources and Ecological Integrity |  |  |                                               |
| GOAL 4 | 2014.4d | OTHER PARK-GENERATED CLIMATE CHANGE/SUSTAINABILITY EMS GOALS | Conduct spill response exercise in the park in 2014                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10/16/2014 | completed  | A park wide spill response training was held at Roys Point, all Divisions were represented. Spill response inventory was completed and train was held on how to use the ERG. This also fills the requirement for our HAZWPR refresher.                                                                        |          | Chief of Protecti                         | WP     | Hazardous Materials and Spills             |  |  |                                               |

|                                                                                                                                                                                                             |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                         |             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                           |                        |                              |                              |  |                                                           |
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| GOAL 4                                                                                                                                                                                                      | 2014.4a | OTHER PARK-GENERATED CLIMATE CHANGE/SUSTAINABILITY EMS GOALS                                                                                                                                                                                                                                                                                                                                                                                                                            | Write and implement a Green Purchasing Plan or Superintendent's Order                                                                                                                                                                                                                                                                                                   | 5/1/2014    | completed | finalized in 2015 goal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11/12/15  | Chief of Business Services                | TBD                    | Procurement                  |                              |  |                                                           |
| GOAL 1: 6.2 GREENHOUSE GAS (GHG) INVENTORY                                                                                                                                                                  | 2013.1  | Reconcile discrepancies between 2006 and 2010 data in CLIP and prepare a comparison.                                                                                                                                                                                                                                                                                                                                                                                                    | Comparison/Report                                                                                                                                                                                                                                                                                                                                                       | 10/1/2012   | Completed | The 2006 and 2010 data for the CLIP tool has been reconciled. All gap and discrepancies have been filled. All possible protocol, best guesses, data analysis, and assumptions have been defined so that staff can more-easily duplicate the collected data. According to our CLIP tool total park emissions decreased from 2,532 Metric Tons Carbon Dioxide Equivalent (MTCO <sub>2</sub> E) in                                                                                                                                                                                                                                                                                                                                        | 09/30/13  | Green Team Chair                          | not sure what impact   | Energy                       |                              |  |                                                           |
| GOAL 2: 6.4 REDUCING ENERGY USE                                                                                                                                                                             | 2013.2a | Purchase at least 1 propane powered weed eater and evaluate their effectiveness and sustainability. This will help reduce transportation of gas over water and potential for spills.                                                                                                                                                                                                                                                                                                    | 1 propane weed eater purchased and verbal evaluation to GT and SEMS                                                                                                                                                                                                                                                                                                     | 4/28/2013   | Completed | The park purchased one propane powered weed eater in the spring of 2013. It was used by several people on the grounds crew and by resource management personnel on several islands and at mainland sites. It was found to work as well as the gasoline powered weed eaters. Because it is powered by propane it is cleaner burning than the older weed eaters the park has used. It also has the advantage of not requiring the transportation of gasoline over the water with the potential for spills. Because the evaluation was good the park has used funds from the volunteer account to purchase two more of them. They will be placed on islands that have volunteers doing the type of landscape work they are necessary for. | 09/30/13  | Chief of Facility Management              | Use of Fossil Fuels    | Hazardous Materials & Spills | More \$ to purchase product. |  | Background:<br>Potential obstacles:<br>Other:             |
| GOAL 2: 6.4 REDUCING ENERGY USE                                                                                                                                                                             | 2013.2b | Using the park's EMS, develops goals to reduce overall facility-related energy use and petroleum-based vehicle fuel use by the park consistent with the region's Green EMS.                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                         | 9/30/2013   | Completed | In the past through the use of the Energy Management and Conservation Report and the FAST Report the Park has been able to show that we have been reducing our energy intensity use in buildings, boats and vehicles over all. But we have had ups and downs with no explanation. Our over all goal is to reduce use by 2% per year. This year the park decided they need to know what part of our boat fuel use is related to projects and what part is related to normal operations. The park would like park employees in the future to know why there is any anomalies. Starting this year the park placed a narrative with the report in the file.                                                                                | 09/30/13  | Chief of Facility Management              | Use of Fossil Fuels    | Energy                       |                              |  |                                                           |
| GOAL 3: 6.6 SHARING PARK SUSTAINABILITY STORIES                                                                                                                                                             | 2013.3  | During Light House Project work, the park will highlight green practices (materials, energy, recycling) and educate the public about these practices. Peter (will get information and give it to interpretative staff)                                                                                                                                                                                                                                                                  | (consider as article for 2013 park News Paper, press release, and face book page)                                                                                                                                                                                                                                                                                       | 9/30/2013   | Completed | The park highlighted green practices completed by the Michigan Island and Devils Island projects through posts on Facebook and the park's web page. Comments reported back from the Facebook posts encouraged the park to continue communicating these accomplishments to the public.                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9/30/2013 | Chief of Facility Management              | not sure what impact   | Training & Outreach          | need content from Peter      |  | Background:<br>Potential obstacles:<br>Other:             |
| GOAL 4: 6.7 INCORPORATING CLIMATE CHANGE MESSAGES INTO INTERPRETATION                                                                                                                                       | 2013.4  | The park incorporates key climate change messages from the regional Climate Change Response and Green Parks Strategy into public and school programs, electronic media, and social media where appropriate and provides park audiences, students, neighbors, nearby communities, and park partners with specific examples about how climate change affects, and is projected to affect, park resources and visitor experiences along with management adaptation strategies and actions. | a. Park staff will mentor Northland College students on the topic of climate change and Culture, in preparation for those students presenting climate change programs at Island School.<br>b. In July and August park staff will post bi-weekly on Facebook on the topic of "Climate Change: Did you know" September through June, monthly posts.<br>c. Park staff will | 10/1/2012   | Completed | The park consistently incorporated climate change messages from the regional Climate Change Response and Green Park's Strategy into public programming on Stockton and Raspberry Islands as well as through partnership programming with Northland College at the residential environmental camp "Island School" held on Stockton Island where over 140 5th and 6th graders heard these messages as they related to cultural components. Students actively participated in discussions around them. The park's bilingual Junior Ranger program focused on Climate Change and Sustainability. These strategies were also presented through monthly Facebook "Climate Change did You Know" posts as well and the park newspaper.         | 9/30/2013 | Chief of Interpretation and Education     | not sure what impact   | Training & Outreach          |                              |  | Some bulbs purchased. Will need addl funding to complete. |
| GOAL 5                                                                                                                                                                                                      | 2013.5a | Write an SO about pesticide use to guide APIS staff on responsibilities and responsible parties. This will help address issues that came up in the 2012 environmental audit including not all pesticides were approved through the Pesticide Use Proposal System and by the Integrated Pest Management Coordinator prior to use, and all pesticides were not fully labeled and stored in an approved, locked pesticide cabinet and MSDS sheets readily available.                       |                                                                                                                                                                                                                                                                                                                                                                         | 2/1/2013    | completed | The following goal was accomplished - SO-51 - Integrated Pest Management (IPM) and Pesticide Management has been completed and was finalized and approved August 20, 2013. An inventory of the pesticide locker was conducted and pesticides were fully labeled, stored properly and MSDS sheets are readily available. In addition, greater security measures were put in place to restrict access to the pesticide locker.                                                                                                                                                                                                                                                                                                           | 8/20/2013 | Chief of Planning and Resource Management | Use of Toxic Chemicals | Training & Outreach          |                              |  | Background:<br>Potential obstacles:<br>Other:             |
| GOAL 5                                                                                                                                                                                                      | 2013.5b | Develop a basic fact sheet for frequently asked question on recycling in the Park.                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                         | 10/1/2012   | completed | Sustainability Subcommittee members created a series of Intranet pages to assist APIS employees with understanding what can be recycled, how to process it and where it will end up. This accomplishes goal 2013.5b of our Integrated Environmental Plan, and serves to provide employees with a centrally located source of general recycling information to quickly find the answers to their recycling questions, or point them towards further resources that may help. Eight categories of recycling are covered, along with how they correspond to APIS Best Management Practices, The Natural Step and EO 13423. Links to additional information and printable resources (such as posters and signs) are also provided.         | 09/30/13  | Green Team Chair                          | Solid Waste            | Waste Management             |                              |  |                                                           |
| GOAL 6: Divisional commitment to following the three core sustainability documents(SO 48, Best Management Practices for Computer Workstation Energy Conservation, Sustainability Best Management Practices) | 2012.6a | Share ideas for how to better incorporate sustainability element in staff performance plans. Green team will facilitate                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                         | July 1 2012 | completed | 4th Qtr: suggestions shared with supervisors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10/2/2012 | Green Team                                | TBD                    | Training & Outreach          | Imput from Division Chiefs   |  | Background:<br>Potential obstacles:<br>Other:             |

|                                                                                                                                                |         |                                                                                                                                       |                                                                                                                                  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                     |                                                       |     |                                          |                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                   |
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| GOAL 5: Completion of EMS Declaration of Conformance for Apostle Islands                                                                       | 2012.5a | Completion of EMS Declaration of Conformance for Apostle Islands                                                                      | Due by Dec. 2012                                                                                                                 | 10/1/2011    | Completed | APIS had an Audit on May 7-10. The Audit results were reviewed in the July Green team meeting. And an EMS action plan was prepared for the August SEMS Meeting. The Action plan was reviewed by management, and Conformance was declared.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | September, 2012                                                                                                                                     | Green Team                                            | TBD | All                                      | n/a                                                                                                                                                                                                             |  | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                                                                                                                                |
| GOAL 4: Increase building efficiency.                                                                                                          | 2012.4d | Solar powered vent fans and lights installed at Meyer's Beach and Stockton Islands Presque Isle vault toilets. (NPLSF grant received) |                                                                                                                                  | 10/1/2011    | completed | 4th Qtr: all installed. 3rd Qtr: The solar vents have been installed at MB and STPI. 1st Qtr: Solar powered stall lighting was installed and completed at MB end of October 2011. Was tested and adjusted first week november. Solar lighting operational.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6/1/2012                                                                                                                                            | Marine & Grounds Supervisor                           | FF  | Energy                                   |                                                                                                                                                                                                                 |  | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                                                                                                                                |
| GOAL 4: Increase building efficiency.                                                                                                          | 2012.4c | Purchase solar oven for Devil's Island.                                                                                               |                                                                                                                                  | 10/1/2011    | completed | 4thQtr: unit delivered to DE, utit tested. 3rd Qtr: due to short staff, mainland experiments were not carried out, but will still send unit out to DE in early June and talk to vol to see if they can experiment w/ unit and let us know how it worked.; 1st Qtr: On site at RP, will be experimented w/ winter 2011/12 at RP and brought out to DE spring 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | September, 2012                                                                                                                                     | Historic Structures, Buildings & Utilities Supervisor | FF  | Energy                                   | Short Staffed                                                                                                                                                                                                   |  | Funded and purchased w/ EOY funds.                                                                                                                                                                                                                                                |
| GOAL 3: Integrate consistent and appropriate environmental stewardship and climate change messages into interpretive and educational programs. | 2012.3d | Integration of messaging into formal and informal park ranger-led interpretive programs                                               |                                                                                                                                  | May, 2012    | completed | 3rd Qtr: Evan Flom was selected May 2 to serve as the George Wright Climate Change Intern this summer. He will be preparing a formal interpretive presentation about climate change for use at the Northern Great Lakes Visitor Center and on Stockton Island. He will also be assisting with a week long teacher workshop . APIS is working with Cathy Techtmann at the NGLVC and staff at GLFWC to develop a climate change curriculum to relate to the new climate change exhibit at the NGLVC. A group of 15-20 teachers will attend the July workshop to learn how to implement the curriculum. Park rangers at other stations in the park will also be encouraged to integrate climate change messages in their interpretive programs. 4th Qtr: Evan Flom began working as the Climate Change intern on June 4. He will finish the internship on August 24. Evan and Mike Joyner assisted with the "Changing Climate...Changing Cultures" teacher workshop July 16-19. 25 teachers participated in the four day workshop that included trips to the Kakagon Slough and Stockton Island. Bob Krumenaker also presented a session to the teachers. | Workshop completed July 19, 2012. Teachers will be scheduling class trips to the park this fall. Evan will finish the internship on August 24, 2012 | Assistant Chief of Interp. & Education                | TBD | Assistant Chief of Interp. & Education   |                                                                                                                                                                                                                 |  | The park was selected to receive a Parks Climate Challenge grant for \$21,500 from the National Park Foundation to underwrite the teacher training and provide transportation funds for the teachers to bring their classes to the NGLVC and the park in the 2012-13 school year. |
| GOAL 3: Integrate consistent and appropriate environmental stewardship and climate change messages into interpretive and educational programs. | 2012.3c | Intallation of new climate change banner stand exhibits at Stockton Island Visitor Center                                             |                                                                                                                                  | August, 2011 | Completed | The banner stands were installed at the Presque Isle visitor center.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 25-Jun-12                                                                                                                                           | Assistant Chief of Interp. & Education                | TBD | Assistant Chief of Interp. & Education   | Boat trip to Stockton                                                                                                                                                                                           |  | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                                                                                                                                |
| GOAL 3: Integrate consistent and appropriate environmental stewardship and climate change messages into interpretive and educational programs. | 2012.3b | Integrate interactive elements into the Culture and Climate Change exhibit.                                                           |                                                                                                                                  | March, 2012  | Completed | Balance Studios - Green Bay was selected to complete the contract. They are created a website and then created the interactive kiosk for the exhibit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Oct-12                                                                                                                                              | Assistant Chief of Interp. & Education                | TBD | Assistant Chief of Interp. & Education   |                                                                                                                                                                                                                 |  | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                                                                                                                                |
| GOAL 3: Integrate consistent and appropriate environmental stewardship and climate change messages into interpretive and educational programs. | 2012.3a | Update of climate change exhibits display outside of headquarters.                                                                    |                                                                                                                                  |              | Completed | 4th Qtr: The present exhibit is still in good shape. We will work on updating the message this Fall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Nov-12                                                                                                                                              | Assistant Chief of Interp. & Education                | TBD | Assistant Chief of Interp. & Education   |                                                                                                                                                                                                                 |  | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                                                                                                                                |
| GOAL 2: Preserve integrity of naturally and culturally significant sites.                                                                      | 2012.2a | Completion of Ironwood restoration project, including sandscap restoration                                                            | 1. relocate campsite 2. planting native plants to stabilize site and reduce exotic species and use of chemicals used on exotics. | 5/1/2012     | Completed | The campsite was relocated, new tent pads established, and a new open air privy installed. The former campsite location was revegetated (approximately 13,000 plants) with the assistance of 16 Northland College students and professors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | May 22-23, 2012                                                                                                                                     | Planning and Resource Management                      | TC  | Natural Resources & Ecological Integrity | None                                                                                                                                                                                                            |  | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                                                                                                                                |
| GOAL 1: Reduce hazardous waste                                                                                                                 | 2012.1a | Identify hazardous waste identified as significant at the light stations.                                                             | The next step at some future date is to schedule for removal ether through USCG, NPS or other federal funding sources            | 10/1/2011    | completed | EEC collected samples for Raspberry, Long, Outer and Michigan Island Light Stations in FY 11. Devils FY 12. They sent us a draft of what they had found so far for review. This preliminary information was provided to the DSC for the Light House Line Item Construction Project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | mid-summer 2012.                                                                                                                                    | Facility Mgmt.                                        | HW  | Hazardous Materials & Spills             | EEC and region have asked if we could provide transportation for the rest of the sampling because the project is running out of funds. We told them it would depend on when they get here and our availability. |  | We did put in for funding through PMIS for additional funding to have an engineering firm do a clean up plan and cost estimate based on what the survey finds as the next step.                                                                                                   |

|                                                                                                                     |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                  |             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                              |                         |                              |                                                                          |                                                                                                                                                                            |
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| GOAL 6: Continue Development Work on IEP, along with PRIZM, and Implement this year (Green Team & Supt's EPAP)      | 2011.6a  | Continuing development work with NPS contractor PRIZM and various NPS staff (both in and out of APIS) in an effort to combine all our sustainability type programs (EMS, BMP, CFP, SO's, etc.) into one document to reduce redundancy and streamline annual reporting of our EMS plan. This project, known as the "Integrated Environmental Plan", is being considered as a potential service-wide prototype by the Washington Facility Management Directorate. | 1. IEP has been completed.<br>2. IEP is made available for use by staff and selected staff are notified of it's expected use.<br>2. IEP is actively being used                                                                                   | Fall 2008   | Completed | Monica, Randy and Peggy worked with PRIZM throughout fall and winter to complete the IEP. A reintroduction of the IEP was done at the SEMS meeting on 4/27/2010 and the IEP was put up on the Intranet site, along with a form to provide feedback. Monica continues to meet with Division Chiefs to train on the IEP as needed. Monica wrote an article on the IEP that was published in the NPS Climate Change Response Newsletter in January of 2011 and a Park Science article was written to be published in mid-July 2011. Green Team has been following the IEP management calendar and staff set FY2012 IEP goals in the month of August. | 09/30/11         | Green Team & IEP Users       | AP,WP,FF,FO,TC,UW,HW,SW | All                          | PRIZM                                                                    | <b>Background:</b> Originated as a result of a EMS audit finding from 2008.<br><b>Potential obstacles:</b> Funding<br><b>Other:</b>                                        |
| GOAL 5: Use the CLP CLIP Tool to document/report/improve on our greenhouse gas emissions (Green Team & Supt's EPAP) | 2011.5a  | Continue to use the Climate Friendly Leadership in Parks (CLIP) tool to chart greenhouse gas (GHG) emissions compared to prior year's results and provide analysis and recommendations for improvements. Train a 2nd person in the use of the CLIP tool. Continue to work toward implementation of new GHG reporting and accounting procedures as directed under recent Executive and Secretarial Orders.                                                       | 1. 2010 data has been entered into the CLIP tool & compared to previous years.<br>2. Recommendations for improvements to normalize GHG data have been provided to the Green Team & Mgmt.<br>3. 2nd person has been trained to use the CLIP tool. | 11/01/10    | Completed | 1. An updated 2010 emissions inventory was completed using the new version of the CLIP tool.<br>2. Comparison to 2006 data has been difficult due to a change in the version of the CLIP tool and improved quality of data. Another inventory assessment will have to be done using a new baseline year with updated data. The energy sector is the best means to measure the park's progress in reducing GHG's as it is not based on visitation, but rather consumption by park staff, which does not fluctuate significantly year to year.<br>3. Monica and Heidi were trained to use the CLIP tool.                                            | 09/23/11         | Facility Mgmt. & Green Team  | AP,FF,FO                | Transportation               | CFP Plan<br>CLIP Tool                                                    | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                         |
| GOAL 4: Implement Spill Prevention Plan.                                                                            | 2011.4a  | SPCC Plan - determine if there are more effective technologies or ways to prevent or control spills. New plan will be implemented in 2011                                                                                                                                                                                                                                                                                                                       | 1. Plan has been reviewed & updated.                                                                                                                                                                                                             | Spring 2010 | Complete  | 1. Plan has been reviewed & updated. 2. Training was completed by Tetra Tech as part of our HAZWOPER Training 3. Training material was received from Tetra Tech 06/09/2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Target 9/30/2011 | Facility Mgmt. & Green Team  | AP,WP,FF,FO,TC,UW,HW    | Hazardous Materials & Spills |                                                                          | <b>Background:</b> Originated as an EMS audit finding from 2008.<br><b>Potential obstacles:</b><br><b>Other:</b>                                                           |
| GOAL 3: Ensure regulatory requirements pertaining to Class V injection wells are met. (EMS)                         | 2011.3a  | Ensure that the appropriate park employees know about, understand, and comply with inventory requirements for the Underground Injection Control program pertaining to Class V injection wells.                                                                                                                                                                                                                                                                  | 1. Either register the wells with DNR or obtain written determination from DNR that it is not required.                                                                                                                                          | Winter 2008 | Complete  | Brian Brunelle reported to Green Team on 4/7/11: Recieved copy of inventory for injection wells for LSB from DNR; notified state and no further permitting required; put link on S drive under Facilities Management folder; and need to create link from IEP.                                                                                                                                                                                                                                                                                                                                                                                    | Target 4/7/2011  | Facility Mgmt.               | WP,TC                   | Water                        | Clone of Randy<br>2008 EPA Audit Report #2                               | <b>Background:</b><br><b>Potential obstacles:</b> Getting a determination from DNR<br><b>Other:</b> Brian found that contacting the State for this report was pretty easy. |
| GOAL 2: Increase building efficiency.                                                                               | 2011.2g  | Insulate hot water pipes to Stockton housing                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                  | Spring 2011 | Completed | The utility team insulated all housing hot water pipes except for STB01, which is planned for end of summer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2012             | Facility Mngt/HSP/Util       | FF                      | Energy                       |                                                                          | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                         |
| GOAL 2: Increase building efficiency.                                                                               | 2011.2f  | Insulate hot water pipes to LSB housing                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                  | Spring 2011 | Completed | Hot water pipes in crawl space at LSB02 planned for later this summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11/1/2011        | FM/UTIL/Plbg                 | FF                      | Energy                       |                                                                          | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                         |
| GOAL 2: Increase building efficiency.                                                                               | 2011.2b  | Replace existing lighting with LED lighting at Hokensen House (100% FY 10)                                                                                                                                                                                                                                                                                                                                                                                      | Number bulbs installed                                                                                                                                                                                                                           | 10/01/10    | Completed | Hokensen House has100% LED lights                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5/31/2011        | Facility Mngt/HSP/Util       | FF                      | Energy                       |                                                                          | <b>Background:</b><br><b>Potential obstacles:</b><br><b>Other:</b>                                                                                                         |
| Implement universal waste management procedures                                                                     | 2010.7a  | Label universal waste appropriately clearly indicating their status (used or waste) and what they are (batteries or universal waste).                                                                                                                                                                                                                                                                                                                           | Label                                                                                                                                                                                                                                            |             | completed | Labels are on the barrels in the hazmat lockers. Lockers are also labeled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6/15/2010        | Chief of Facility Management |                         | Waste                        |                                                                          |                                                                                                                                                                            |
|                                                                                                                     | 2010.4c  | Research the value of using solar powered refrigeraters at one remote location in 2009.                                                                                                                                                                                                                                                                                                                                                                         | # Days Unit Works                                                                                                                                                                                                                                |             | completed | every island has solar fridge in 2012. Also 300% propane reduction in by 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 9/1/2010         | Chief of Facility Management |                         | Energy                       |                                                                          |                                                                                                                                                                            |
| Consider composting toilets.                                                                                        | 2009-?   | Consider composting toilets far away from the shoreline.                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                  |             | completed | composting toilet was installed on cat in 2009. In 2013 stump privies are being installed at single campsites in the wilderness. Stump privies are becoming the preferred toilet in wilderness over composting.                                                                                                                                                                                                                                                                                                                                                                                                                                   | 09/31/2009       | Backcountry Management Team  |                         | Waste                        |                                                                          | Evaluation has not yet been completed.                                                                                                                                     |
| Evaluate fungus E. maimaiga.                                                                                        | 2009-?   | The effectiveness of the fungus Entomophaga maimaiga will be evaluated.                                                                                                                                                                                                                                                                                                                                                                                         | Number infested acres                                                                                                                                                                                                                            |             | completed | the fungus has been effective. Report by Patrick Tobin and Ann Hajek in 2012.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2007             | Natural Resources            |                         | NatRes&Env                   | Report by Patrick Tobin and Ann Hajek in 2012. See Biologist for report. |                                                                                                                                                                            |
| Complete the ECS                                                                                                    | 2009.10a | Complete environmental commitment statement for IEP                                                                                                                                                                                                                                                                                                                                                                                                             | Document                                                                                                                                                                                                                                         | 3/1/2010    | completed | Reviewed and update completed on 3/30/2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3/30/2011        | Green Team                   |                         |                              |                                                                          | Include update of SO31 as a goal in 2013                                                                                                                                   |
| Alternative transportation.                                                                                         | 2008-?   | Promote alternative transportation - install bike racks at LSB and Meyers Beach.                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                  | 2008        | completed | bike racks were installed at LSB and Meyers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2009             | Interpretation               |                         | Hazardous waste.             |                                                                          |                                                                                                                                                                            |
| ATVs and snowmobiles.                                                                                               | 2008-?   | Purchase and choose to operate 4-stroke ATV and snowmobile engines over 2-stroke engines.                                                                                                                                                                                                                                                                                                                                                                       | Receipt of Purchase                                                                                                                                                                                                                              | 1/1/2008    | completed | no 2 stroke ATVs or snowmobiles in park                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12/31/2008       | Protection                   |                         | Procurement                  |                                                                          |                                                                                                                                                                            |
| Boat fleet.                                                                                                         | 2008-?   | Purchase boats that are optimum for their intended use (i.e. beaching) to reduce the amount of engine operating time required.                                                                                                                                                                                                                                                                                                                                  | Receipt of Purchase                                                                                                                                                                                                                              | 1/1/2008    | completed | more landing crafts have been purchased: 1 in 2008, 1 in 2012 and 2 in 2013.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2013             | Maintenance                  |                         | Procurement                  |                                                                          |                                                                                                                                                                            |
| Explore used oil filter recycling.                                                                                  | 2008-?   | If feasible, make arrangements to recycle used oil filters. "G"                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                  | 2008        | completed | oil filters are recycled at Chicago Iron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 09/31/2008       | Maintenance                  |                         | Waste                        |                                                                          |                                                                                                                                                                            |

| Climate change leadership | 2008-? | The Green Team will assist with implementation of the CFP plan. "G"                                                                                     | Document progress towards goal       |      |           |                                                                                                                                                                                                                                                    | Green Team                                                        |                              | Training & Outreach          |  |                                                        |
|---------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------|------------------------------|--|--------------------------------------------------------|
|                           | 20??   | In cooperation with Wisconsin DATCP and the U.S. Forest Service, conduct intensive monitoring on those islands that had low gypsy moth numbers in 2007. | Number of moths. Monitor gypsy moths | 1997 | completed | Surveys indicate all islands infested with gypsy moths. Monitoring efforts have moved from gauging the number of moths to the effects of the moths on the islands.                                                                                 | Gypsy moth trapping 1997-2008; defoliation surveys 2009 - present | Natural Resources            | NatRes&Env                   |  | Surveys indicate all islands infested with gypsy moths |
|                           | 20??   | Prohibit the transportation of firewood to and between the islands.                                                                                     | Prohibit firewood transportation     | 2006 | completed | Prohibited in 2006                                                                                                                                                                                                                                 | 6/6/2006                                                          | Natural Resources            | NatRes&Env                   |  |                                                        |
|                           | 20??   | Propose projects to PMIS to replace electrical and lighting deficiencies.                                                                               | Propose electrical projects in PMIS. |      | completed | All electric and water PMIS's are in the system                                                                                                                                                                                                    | 2013                                                              | Chief of Facility Management | Energy                       |  |                                                        |
|                           | 20??   | Stop air drying hazardous waste.                                                                                                                        | Reduce hazardous waste.              |      | completed | brought to park attention durring 2009 audit and corrected.                                                                                                                                                                                        | 2009                                                              | Chief of Facility Management | Hazardous Materials & Spills |  |                                                        |
| Waste                     | 20??   | Determine the hazardous waste generator status for the park.                                                                                            |                                      | 2009 | completed | It was determined the park was a small generator but will have to be Temporary large durring projects on Sand Island and possibly Lighthouses. An email is sent annuraly to the Chief of Facility Management to update/confirm the status an size. | 2011                                                              | Chief of Facility Management | Hazardous waste.             |  |                                                        |
| Waste                     | 20??   | Label used oil containers.                                                                                                                              |                                      | 2009 | completed | 5 gallon bin in fuel storage area is labeled and big bin in Haz locker is labeled                                                                                                                                                                  | 2009                                                              | Chief of Facility Management | Hazardous waste.             |  |                                                        |
|                           | 20??   | Signs created on site.                                                                                                                                  | Waste Reduction                      | 2009 | completed | Sign shop set-up at Roys Point                                                                                                                                                                                                                     | 09/31/09                                                          |                              | Waste                        |  |                                                        |
|                           | 20??   | Complete the NPS transportation database.                                                                                                               | One database                         | 2008 | Completed | Done 2008 and used regularly                                                                                                                                                                                                                       | 10/1/2008                                                         | Resource / Planning          | Transportation               |  |                                                        |

ACCOMPLISHMENTS

INTRO & INDEX

This tab lists completed Objectives. Each row can be cut and pasted directly from tab 4. Goals, Obi & Progress in the IEP Workbook

| Goal Heading                              | Unique ID | Objective                                                                                                                                                                                                                                                   | Target/Metric                                                                                                                                                                                                     | Start Date | Status                                             | Last Progress Update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Completion Date                               | Responsible Party                                     | Impacts                | Future Vision                | Resources Needed                                   | Documents & Records                                                                                   | Notes                                                                                                                                                      | Unit | Frequency | Related Training                                                                                           | Goal                                      |                                   |
|-------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------|------------------------|------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------|
| GOAL 1                                    | 2014.1a   | REDUCING ENERGY USE                                                                                                                                                                                                                                         | Using the park's EMS, tracks park goals to reduce overall facility-related energy use and petroleum-based vehicle fuel use and analyzes patterns with recommendations for process improvements where appropriate. |            | retired-changing and re-focusing this goal in 2015 | no progress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               | Chief of Facility Management                          | FF, FO                 | Energy, Transportation       |                                                    |                                                                                                       |                                                                                                                                                            |      |           |                                                                                                            |                                           |                                   |
| GOAL 4: Increase building efficiency.     | 2012.4b   | Convert all fluorescent lights in island housing to ROHs certified, low-watt LED lighting.                                                                                                                                                                  |                                                                                                                                                                                                                   | 10/1/2011  | in progress                                        | approx 95% complete 2012. Only Islands left are Michigan and Devils. They will be completed by the contractor working on the lighthouse projects FY13;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FY13 expected completed                       | Historic Structures, Buildings & Utilities Supervisor | UW                     | Energy                       |                                                    |                                                                                                       | Background: Potential obstacles: Other:                                                                                                                    |      |           |                                                                                                            |                                           |                                   |
| GOAL 4: Increase building efficiency.     | 2012.4a   | Install ROHs certified (no mercury content), low-watt LED lighting in 100% all buildings at LSB.                                                                                                                                                            |                                                                                                                                                                                                                   | 10/1/2011  | in progress                                        | In 2012 park had electrician no staff and utility base budget was given very little \$ for materials, so very little has been done. When changing bulbs, Re-wiring is often needed to bring wiring up to code. In 2013 this is on hold since the building will eventually be replaced by a new visitor center                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | on hold due to potential building replacement | Historic Structures, Buildings & Utilities Supervisor | UW                     | Energy                       | hire an electrician and additional \$ for supplies |                                                                                                       | Some bulbs purchased. Will need addl funding to complete.                                                                                                  |      |           |                                                                                                            |                                           |                                   |
| GOAL 1: Reduce hazardous waste            | 2012.1b   | All new LED lighting purchased is ROHs certified (less chemicals and metals used, including no mercury)                                                                                                                                                     |                                                                                                                                                                                                                   | 10/1/2011  | in progress                                        | There was no money in park budget FY12 or FY13 to purchase additional LED Lighting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                               | Facility Mgmt.                                        | UW                     | Hazardous Materials & Spills | money to buy LED lights                            |                                                                                                       | Background: Potential obstacles: Other:                                                                                                                    |      |           |                                                                                                            |                                           |                                   |
| GOAL 2: Increase building efficiency.     | 2011.2e   | Replace existing lighting with LED lighting at LSB West Dorm (90% FY11)                                                                                                                                                                                     | Number bulbs installed                                                                                                                                                                                            | 10/1/2010  | In progress                                        | LSB02 and LSB05 has 95% RoHS compliant LED lighting. In 2012 park electrician job became vacant and utility base budget was given very little \$ for materials, so project was not completed. When changing bulbs, Re-wiring is often needed to bring wiring up to code. No change for 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | target 5/31/2011                              | Facility Mngt/HSP/Util                                | FF                     | Energy                       |                                                    |                                                                                                       | Background: Potential obstacles: Funding Other: Possible EOY Funds can be used                                                                             |      |           |                                                                                                            | Implement Spill Prevention Plan           |                                   |
| GOAL 2: Increase building efficiency.     | 2011.2d   | Replace existing Lighting w/ LED lighting at EAST drom LSB01 (90%)                                                                                                                                                                                          | # bulbs installed                                                                                                                                                                                                 | 10/1/2010  | In progress                                        | LSB01 has 95% RoHS compliant LED lighting. In 2012 park electrician job became vacant and utility base budget was given very little \$ for materials, so project was not completed. When changing bulbs, Re-wiring is often needed to bring wiring up to code. No change for 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Target 9/30/11                                | Util                                                  | FF                     | Energy                       | Only \$                                            |                                                                                                       | Background: Potential obstacles: Funding Other: Possible EOY Funds can be used                                                                             |      |           |                                                                                                            | Implement Spill Prevention Plan           |                                   |
| GOAL 2: Increase building efficiency.     | 2011.2c   | Replace existing lighting with LED lighting at LSB Visitor Center (90% FY11)                                                                                                                                                                                | Number bulbs installed                                                                                                                                                                                            | 10/1/2010  | In progress                                        | LSBVC has 55% LED lights 2013 update: on hold due to potential building replacement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | on hold due to potential building replacement | Facility Mngt/HSP/Util                                | FF                     | Energy                       |                                                    |                                                                                                       | Background: Potential obstacles: Other:                                                                                                                    |      |           |                                                                                                            |                                           |                                   |
| GOAL 2: Increase building efficiency.     | 2011.2a   | Bring Green Teams from Bayfield and the park together to develop a plan for making the Courthouse a model of energy efficiency and sustainability in a historic building. Incorporate the resulting plan into future GSA building leases.                   | 1. Plan is completed<br>2. Plan is incorporated into the lease.                                                                                                                                                   | 10/1/2010  | In progress                                        | 3rd Qtr 2013, at last meeting with City, there are not willing to come to upgrades until the lease is renewed, and is a long term lease New lease for Roy's Point will require LEED bldg and other energy upgrades. Present short term lease starts approx 6/30/11 and will expire approx. 6/30/14. New RP lease requirements have been submitted for park approx 3/2011 for new long term 15 yr lease starting est. 6/30/14 dp. Meeting with Town of Bayfield to discuss lease options and do a walk around of the facilities was on 6/20/11. Several members from each Green Team met. A few new ideas for the parking lot were brought up by the Bayfield GT. Bayfield is in support of updating the building for efficiency and green materials. Items to increase building efficiency have been put into a year-end wish list and will be purchased if funding is available. | Targets<br>1. Dec. 2011<br>2. July 2012       | Facility Mgmt.                                        | AP, WP, FF, FO, TC, UW | Energy                       |                                                    |                                                                                                       | Background: Continuing on a goal conceptualized in 2009. Idea came from original EMS doc. Potential obstacles: scheduling conflicts with MWR & GSA. Other: |      |           |                                                                                                            | Comply with EPCRA reporting requirements. |                                   |
| GOAL 1: Increase fleet efficiency.        | 2011.1a   | Purchase boat or modify existing to increase efficiencies, specifically the Pelican.                                                                                                                                                                        | 1. Obtain decision from MWRO<br>2. If approved to replace, submit to contracting; if disapproved, table for future action                                                                                         | 10/1/2011  | in progress                                        | Has not been completed as of 3rd Qtr 2013. 21' high speed landing craft has been ordered from the sales of surplus boats. A work boat (Landing Craft) to replace the LCM (Relican) has been placed in PMIS and will be considered by Region Office for year end spending.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Target 9/30/2011                              | Facility Mgmt.                                        | AP, WP                 | Procurement                  | Technology, funding                                | PMIS Replacement Project #161124<br>PMIS Repair Project needs input if replacement doesn't come thru. | Background: Potential obstacles: Funding Progress made: Cost estimation underway. Current Status: Progress last updated (mo./yr.) Other:                   |      |           |                                                                                                            | Consider composting toilets.              |                                   |
| Implement Spill Prevention Plan           | 2010.5d   | Train employees who handle oil on the following topics: the operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general park operations;                | Training Roster SS                                                                                                                                                                                                |            |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6/15/2010                                     |                                                       |                        |                              |                                                    |                                                                                                       |                                                                                                                                                            |      |           |                                                                                                            |                                           | Convert HQ boiler to natural gas. |
| Implement Spill Prevention Plan           | 2010.5a   | Provide annual discharge prevention briefings to assure adequate understanding of the SPCC plan.                                                                                                                                                            | Training Roster SS                                                                                                                                                                                                |            | not attempted                                      | This training would target people who use gasoline; boat operators, anyone who fuels lawnmowers etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6/15/2010                                     |                                                       |                        |                              |                                                    |                                                                                                       |                                                                                                                                                            |      |           |                                                                                                            |                                           | Energy efficiency                 |
| Increase fleet efficiency                 | 2010.1d   | Update SO 17 to reflect specific procedures related to fueling boats and equipment to include shutting off electrical equipment and opening hatches during filling for ventilation.                                                                         | Training Roster SS                                                                                                                                                                                                |            |                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6/1/2010                                      | Maintenance                                           |                        |                              |                                                    |                                                                                                       |                                                                                                                                                            |      |           |                                                                                                            |                                           | Alternative transportation        |
| Comply with EPCRA reporting requirements. | 2009-?    | Determine whether quantities of fuel stored on site triggers the reporting requirements under Section 312 of EPCRA. If so, fill out and submit the appropriate paperwork to the SERC and LEPC. Submit a Tier I or a Tier II report by March 1 of each year. |                                                                                                                                                                                                                   |            | in progress                                        | The park does have enough to trigger reporting requirement. No reports have yet to be submitted as of March 2013.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               | Chief of Facility Management                          |                        | Hazardous Materials & Spills |                                                    |                                                                                                       |                                                                                                                                                            | Each | once      | EO13423, procurement plan (staff know what to buy), vehicle use (staff know which vehicle to operate when) | ATVs and snowmobiles.                     |                                   |
| Convert HQ boiler to natural gas.         | 2009-?    | Convert park headquarters' natural gas boiler to a high efficiency natural gas boiler.                                                                                                                                                                      |                                                                                                                                                                                                                   |            | ?                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               | Chief of Facility Management                          |                        | Energy                       |                                                    |                                                                                                       |                                                                                                                                                            | each |           |                                                                                                            |                                           | Climate change leadership         |
| Energy efficiency                         | 2009-?    | More efficient exterior building security lights has been investigated.                                                                                                                                                                                     |                                                                                                                                                                                                                   |            | ?                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               | Chief of Facility Management                          |                        |                              |                                                    |                                                                                                       |                                                                                                                                                            | each |           |                                                                                                            |                                           | Spill prevention                  |

|                                           |        |                                                                                                                                                                                                            |                                |           |             |                                                                                                                            |            |                     |  |                              |  |                                  |  |  |  |  |  |                      |
|-------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------|------------|---------------------|--|------------------------------|--|----------------------------------|--|--|--|--|--|----------------------|
| Climate change leadership                 | 2008-? | The Green Team will assist with implementation of the CFP plan. "G"                                                                                                                                        | Document progress towards goal |           | ?           |                                                                                                                            |            | Green Team          |  | Training & Outreach          |  |                                  |  |  |  |  |  | Waste                |
| Spill prevention                          | 20??   | Update the Emergency Operations Plan and consider the following steps: 1) define a policy; 2) define incidental spill; and 3) develop an EAP or ERP as flows from policy.                                  | Signature Sheet                |           | in progress | 2009 is current plan, it is currently being updated, 2013                                                                  |            | Chief of Protection |  | HazMat                       |  |                                  |  |  |  |  |  | Waste                |
| Spill prevention                          | 20??   | Review and evaluate the SPCC plan every five years and determine if there are more effective technologies or ways to prevent or control spills while doing so. "S"                                         | Signature Sheet                |           | in progress | 2012 is 5 yr review                                                                                                        |            | Maintenance         |  | HazMat                       |  |                                  |  |  |  |  |  |                      |
|                                           | 20??   | Develop procedures for distribution to all Law Enforcement staff that identify steps to take to dispose of expired nitroglycerine tablets through a permitted hazardous waste hauler.                      |                                | 1/18/2009 | completed   | working on MOU for disposal of expired epinephrine and nitro with St. Luke's hospital and Dr. Schultz as our EMS director. | 9/18/2009  | Chief of Protection |  | Hazardous Materials & Spills |  | MOU (not in MOU folder or list?) |  |  |  |  |  | Waste                |
| Lead NPS MWR climate change efforts       | 20??   | Lead NPS Midwest Regional efforts to highlight climate change and create an NPS culture of sustainability. "G"                                                                                             | # talks or mtgs/yr             |           |             |                                                                                                                            |            | Superintendent      |  |                              |  |                                  |  |  |  |  |  | Superintendent doing |
| Purchase one super high efficient vehicle | 20??   | Acquire at least one super high efficiency vehicle for employee use between work sites or for local business.                                                                                              | Receipt of Purchase            |           | ?           |                                                                                                                            | 09/31/10   | Fleet manager       |  | Procurement                  |  |                                  |  |  |  |  |  |                      |
| Reconcile SO31 with EMS ECS.              | 20??   | Incorporate S.O. 31 into IEP ECS                                                                                                                                                                           | Document                       |           | ?           |                                                                                                                            |            | Superintendent      |  | Training & Outreach          |  |                                  |  |  |  |  |  |                      |
| Recycling                                 | 20??   | Work with the city to ensure waste is recycled. Educate employees to proper disposal of products -                                                                                                         | Training Roster SS             |           | ?           |                                                                                                                            | 2009       | Green Team          |  | Waste                        |  |                                  |  |  |  |  |  |                      |
| Request donated toilet paper is recycled. | 20??   | Request that donor who currently provides the park with toilet paper through the Friends group consider providing "green" toilet paper; change signs at each toilet to highlight the recycled content. "G" | Percent                        |           | ?           |                                                                                                                            | 09/31/2008 | Superintendent      |  | Waste                        |  |                                  |  |  |  |  |  |                      |
| Staff involvement.                        | 20??   | Utilize Sustainability Committee.                                                                                                                                                                          |                                |           | ?           |                                                                                                                            |            |                     |  | Training & Outreach          |  |                                  |  |  |  |  |  |                      |
| Waste                                     | 20??   | Ensure waste accumulation site does not need permit.                                                                                                                                                       |                                |           | ?           | (AKR note: does this mean Haz Lockers?)                                                                                    |            |                     |  | Hazardous waste.             |  |                                  |  |  |  |  |  |                      |



 BEST MANAGEMENT PRACTICES

| Activity/Item                                 | Best Management Practice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Corresponds to "The Natural Step" (see icon key below)                                                                                                                    | Corresponds to E.O. 13423           | Unit of Measure         | Responsible Division                                      |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------|-----------------------------------------------------------|
| <b>Administrative</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                           |                                     |                         |                                                           |
| Copiers/Printers                              | Printers are shared among several users.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     | Sec. 2: (a) (i), (e) (i), (e) (v)   | Kwh energy saved        | All                                                       |
|                                               | Laser printers are used verses inkjet where possible; ink and toner cartridges are recycled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     | Sec. 2. (e) (viii)                  |                         |                                                           |
|                                               | Printing preferences are set for double sided on all documents greater than one page. If single sided printing is required the printer is set for this option to reduce unnecessary copying of a blank side of paper.                                                                                                                                                                                                                                                                                                                                                                               |     | Sec. 2: (e) (i), (e) (iv), (i) (ii) | # sheets of paper saved | IT set default and everyone follows practice              |
| Lunchroom                                     | Ceramic plates, bowls, and mugs as well as silverware are available for employee use. Plastic silverware is washed and reused. Coffee mugs are available for use during meetings. Once Styrofoam cups are used up, they will not be replaced.                                                                                                                                                                                                                                                                                                                                                       |     | Sec. 2. (e) (i)                     | Ibs of waste reduced    | Management team made decision and staff supports practice |
| Mail                                          | The park will attempt to have itself removed from mailing lists (including FAX mailing lists) for items deemed no longer necessary, duplicate, junk or unwanted. When these type items are received please place them in the JUNK MAIL mailbox located in the HQ mailroom. The Backcountry Permit Coordinator will email, FAX or call those companies and have our name/address removed. If multiple copies of the same item are received from the same place then place all of them in the JUNK MAIL mailbox as they probably have slightly different addresses that will each need to be removed. |   | Sec. 2: (b) (i), (e) (ii)           | Ibs of waste reduced    | Administration                                            |
|                                               | To help cut down on these types of mail, and associated employee time trying to get us removed from the mailing lists, please be proactive by requesting that your name NOT be added to company mailing lists each and every time you order anything, even from the same company. Also do this anytime you order something from a GSA vendor as some of them have a bad habit of assuming your order means you also want to be on their mailing lists.                                                                                                                                              |                                                                                                                                                                           |                                     |                         |                                                           |
|                                               | This behavior becomes a habit, and it works well. Over time (3+ months) there should be a noticeable reduction of junk mail, fax, emails...                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                           |                                     |                         |                                                           |
| <b>Communication, Education, and Outreach</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                           |                                     |                         |                                                           |

|                         |                                                                                                                                                                                                |                                                                                                                                                                             |                  |                                                    |                             |
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| Community               | Produce from the Raspberry Island garden is donated to the Red Cliff Elderly Nutrition Program.                                                                                                |                                                                                          | Sec. 2. (e) (vi) | lbs of produce donated                             | Interpretation              |
|                         | Deer removed from the islands during vegetation management actions are donated to the Red Cliff tribe.                                                                                         |                                                                                          | Sec. 2. (e) (vi) | acres of Canada yew protected and lbs meat donated | Resources Division          |
|                         | Community events such as Applefest and Homecoming are supported; partnerships forged with various groups such as Sustainable Bayfield, and the Alliance for Sustainability.                    |                                                                                          |                  |                                                    |                             |
| Environmental Education | Alternative and public transportation methods are promoted through the park by Student Conservation Association interns funded by the Ford Motor Company through the National Park Foundation. |                                                                                          | Sec. 2. (b) (ii) | lbs CO2 reduced                                    |                             |
|                         | Hiking and kayaking are promoted by an employee stationed at Meyers Beach.                                                                                                                     |                                                                                          | Sec. 2. (b) (ii) | Each Publication                                   | Interpretation              |
|                         | The summer lecture series features talks related to climate change and related subjects.                                                                                                       |                                                                                          | Sec. 2. (f) (ii) |                                                    | Interpretation              |
|                         | Campfire programs at Stockton Island address sustainability through Leave No Trace Camping.                                                                                                    |                                                                                          | Sec. 2. (e) (i)  |                                                    | Interpretation              |
|                         | Climate change and sustainability are addressed through the parks webpage, interpretive talks, and in other venues.                                                                            |                                                                                          |                  | Each Publication                                   | Interpretation              |
|                         | Tours of the Hokenson Fishery often discuss how the brothers relied on their resourcefulness and ingenuity in recycling used items and adapting them to their needs.                           |                                                                                          | Sec. 2. (e) (i)  |                                                    | Interpretation              |
| Internal Communication  | Discharge prevention is provided annually.                                                                                                                                                     |                                                                                         |                  |                                                    |                             |
|                         | A written HAZCOM program that addresses all OSHA specified elements is developed and available.                                                                                                |                                                                                        |                  |                                                    | Facilities                  |
|                         | Sustainability training is provided for all staff                                                                                                                                              |   |                  | Annual all-staff training                          | Superintendent & Green Team |
|                         | Training is provided on used oil management.                                                                                                                                                   |                                                                                                                                                                             |                  | each training                                      | Maintenance                 |
|                         | Training is provided regarding proper universal waste for management of batteries.                                                                                                             |                                                                                        |                  | each training                                      | Maintenance                 |

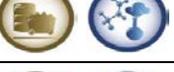
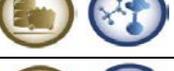
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|                                     | Training is provided on propane use.                                                                                                                                                                                                                                                                                                                  |                                                                                      |                                              | each training                                                         | Maintenance                                        |
| Island School                       | Northland College Island School partnership -- Northland students provide 3-days of programming on Stockton Island for 6th-7th graders. Students learn 'Island ethic', receiving education on respect for nature, packaging food using reusable materials when visiting the park, and being "light on the land" and leaving things as they are found. |   | Sec. 2. (e) (i)                              |                                                                       |                                                    |
|                                     | Leave No Trace practices are shared with visitors and well advertised throughout the park. Aspects of this program include plan ahead, pack out what is brought in, minimize campfire impacts, travel and camp on durable surfaces, and leave things as they are found.                                                                               |   | Sec. 2. (e) (i)                              | brochures                                                             | Interpretation                                     |
|                                     | Signs are created onsite which reduces packaging and shipping. Signs are created using recycled aluminum.                                                                                                                                                                                                                                             |   | Sec. 2. (e) (i)                              | lbs CO2 reduced by eliminating transportation costs of ordering signs | All Divisions                                      |
| Safety and Sustainability Committee | The purpose of the sustainability subcommittee is to identify and implement sustainable practices throughout the park. The Safety and Sustainability Committee meets bi-monthly and progress is shared with staff.                                                                                                                                    |   | Sec. 2. (b) (iv)                             | IEP Annual Goals                                                      | All Divisions                                      |
|                                     | Members of the park's Sustainability subcommittee participate in a regional green team network supported by the Alliance for Sustainability.                                                                                                                                                                                                          |                                                                                      | Sec. 2: (b) (iv), (f) (i), (f) (ii), (f) (v) |                                                                       | All Divisions                                      |
|                                     | Decisions are framed within the philosophies of this movement whenever feasible.                                                                                                                                                                                                                                                                      |                                                                                      | Secs 2: (f) (i), (f) (ii), (f) (v)           |                                                                       | All Divisions                                      |
| Travel Green                        | The park participates in the state's Travel Green program; the certification is updated annually.                                                                                                                                                                                                                                                     |                                                                                      | Sec. 2 (b) (ii), (f) (i), (f) (ii), (f) (v)  |                                                                       | Facilities (possible transition to Interpretation) |
| Web site                            | The web site is used as a venue to identify and share sustainable park practices with employees and the public.                                                                                                                                                                                                                                       |                                                                                     | Sec. 2. (b) (iv)                             |                                                                       |                                                    |
|                                     | The parks Sustainability Best Management Practices are posted on the website.                                                                                                                                                                                                                                                                         |                                                                                    | Sec. 2. (b) (iv)                             |                                                                       |                                                    |
| <b>Construction and Maintenance</b> |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                         |                                              |                                                                       |                                                    |
| Cleaning supplies                   | Green Works™ cleaning supplies are used in housing units and other buildings.                                                                                                                                                                                                                                                                         |                                                                                    | Sec 2: (e) (v), (e) (viii)                   |                                                                       |                                                    |
| Hazard trees                        | Only hazardous trees in Visitor Use Areas are mitigated; trees are cut down with minimum tool methods.                                                                                                                                                                                                                                                |                                                                                    | Sec. 2. (e) (vii)                            |                                                                       |                                                    |
| Picnic tables                       | By 2008 all new picnic table materials or tables are low maintenance/green style.                                                                                                                                                                                                                                                                     |                                                                                    | Sec. 2. (h)                                  |                                                                       |                                                    |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                         |                                                |      |             |
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| Restroom cleaning        | Green products are used to clean restrooms.                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      | Sec. 2. (e) (v)                                |      |             |
| Snow and ice removal     | Snow and ice is removed with mechanical means when feasible; environmentally safe melting agents are used. Disturbance to natural resources is minimized when plowing.                                                                                                                                                                                                                                                                            |                                                                                      | Sec. 2. (e) (v)                                |      |             |
| Sustainable construction | Sustainability is incorporated into construction projects in the park. An example is the Raspberry Island Lighthouse where the park replaced the metal roof, updated the photovoltaic system with improved technology, and replaced the tram diesel motor with a new propane motor. The investment in the lighthouse was protected by landscaping to move water away from the footings and by replacing the outdated lightning protection system. |   | Sec 2: (b) (i), (d) (ii), (g) (iv)             |      |             |
|                          | Make signs-in house to save \$\$\$. We also re-use many signs when making them in-house. In addition, less transportation as ordered signs need to be shipped, and usually from a distance                                                                                                                                                                                                                                                        |   |                                                |      |             |
| Water systems            | Front-loading washers are located in housing units.                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                      |                                                |      |             |
| Water systems            | A regular maintenance schedule is in place to find and repair leaky faucets, toilets, showerheads, and pipes.                                                                                                                                                                                                                                                                                                                                     |                                                                                      |                                                |      |             |
| Ventilation              | High moisture areas such as the kitchen and laundry are well ventilated.                                                                                                                                                                                                                                                                                                                                                                          |                                                                                      |                                                |      |             |
| Recycling of             | Buildings scheduled for removal are deconstructed and the materials reused whenever feasible.                                                                                                                                                                                                                                                                                                                                                     |                                                                                      | Sec 2: (e) (iii), (g) (v), (g) (vii)           |      |             |
| Energy Management        |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                         |                                                |      |             |
| Electricity - Islands    | Solar panels with battery storage capability are used and upgraded in all island quarters.                                                                                                                                                                                                                                                                                                                                                        |                                                                                     | Sec. 2: (a) (i), (a) (ii), (b) (iii), (b) (iv) |      |             |
|                          | The first solar electric refrigerator was installed and will be monitored for efficiency. More will be replaced over the next several years as funding allows.                                                                                                                                                                                                                                                                                    |                                                                                    | Sec. 2: (a) (i), (a) (ii), (b) (iii), (b) (iv) | each | Maintenance |
|                          | LED lighting is used at Raspberry Island.                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                    | Sec. 2: (a) (i), (b) (iii), (b) (iv)           |      |             |
| Heating – Islands        | All housing units with propane heaters are converted to a lower BTU style.                                                                                                                                                                                                                                                                                                                                                                        |                                                                                    | Sec. 2: (a) (i), (b) (iii), (b) (iv)           |      |             |
|                          | Lights are turned off when not in use.                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                    | Sec. 2: (a) (i), (b) (iii), (b) (iv)           |      | Green Team  |
|                          | Compact fluorescents and T-8 lights are used in all park-owned mainland facilities.                                                                                                                                                                                                                                                                                                                                                               |                                                                                    | Sec. 2: (a) (i), (b) (iii), (b) (iv)           | each | Maintenance |

|                                       |                                                                                                                                                                                         |                                                                                                                                                                             |                                                       |            |             |
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| Water – Islands                       | On-demand hot water heaters are used in island facilities.                                                                                                                              |                                                                                          | Sec. 2: (a) (i), (a) (ii), (b) (iii), (b) (iv), c (i) |            |             |
|                                       | Solar hot water heaters are being investigated.                                                                                                                                         |                                                                                          | Sec. 2: (a) (i), (a) (ii), (b) (iii), (b) (iv), c (i) | each       | Maintenance |
|                                       | Water is not used for purposes of washing sidewalks or driveways.                                                                                                                       |                                                                                          |                                                       |            |             |
|                                       | Low flow toilets are used.                                                                                                                                                              |                                                                                          | Sec. 2. (c) (i)                                       |            |             |
| Concession Cruise Boat                | Concessioner is encouraged to reduce speed to reduce air pollution.                                                                                                                     |       | Sec. 2: (b) (i), (b) (iii), (b) (iv)                  | compliance | Protection  |
| <b>Purchasing</b>                     |                                                                                                                                                                                         |                                                                                                                                                                             |                                                       |            |             |
| Ammunition                            | All firearm ammunition purchased for use in qualifications involving Law Enforcement and Deer Management operations is green ammunition.                                                |                                                                                          | Sec. 2: (e) (v), (e) (viii)                           |            |             |
| GSA                                   | Whenever possible purchases are made through GSA which contracts with vendors that are either identified as Green or provide Green products.                                            |       | Secs. 2: (b) (i)m (e) (i), (e) (v), (e) (viii)        |            |             |
| Soy ink                               | Soy ink products are purchased and used for printing purposes when possible.                                                                                                            |                                                                                          | Sec. 2: (e) (v), (e) (viii)                           |            |             |
| Recycled paper                        | Recycled paper products are purchased and used.                                                                                                                                         |                                                                                         | Sec. 2: (e) (iv)                                      |            |             |
| Appliances                            | When appliances and equipment are replaced, the business makes the commitment to purchase or lease them with Energy Star (or best technology available) rated appliances and equipment. |                                                                                        |                                                       | each       | Maintenance |
| Picnic tables                         | Tables are built with green technologies                                                                                                                                                |                                                                                        |                                                       |            |             |
| Alternative Fuels                     | See “Boating” below.                                                                                                                                                                    |   |                                                       |            |             |
| <b>Recycling and Waste Management</b> |                                                                                                                                                                                         |                                                                                                                                                                             |                                                       |            |             |
|                                       | Employees are trained in hazardous materials management and response to spills.                                                                                                         |                                                                                        | Sec. 2. (e) (i)                                       |            |             |

|                 |                                                                                                                                                                                                                                                 |                                                                                                                                                                         |                   |                              |                             |
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| Hazardous waste | The park has purchased and stages a trailer with containment materials and an open boat to respond to spills in Lake Superior.                                                                                                                  |                                                                                      | Sec. 2. (e) (i)   |                              |                             |
|                 | Batteries of all types are recycled (equipment, marine, radio, vehicle), and labeled regarding status (used or waste) and length of time of onsite storage.                                                                                     |   | Sec. 2. (e) (i)   |                              |                             |
|                 | Computer monitors are recycled.                                                                                                                                                                                                                 |                                                                                      | Sec. 2. (i) (iii) |                              |                             |
|                 | The park contracts for the proper disposal of hazardous waste antifreeze and oil.                                                                                                                                                               |                                                                                      | Sec. 2. (b) (i)   |                              |                             |
|                 | Used oil filters are drained prior to disposal                                                                                                                                                                                                  |                                                                                      |                   | each                         | Maintenance                 |
|                 | Tests for carbon monoxide, radon, asbestos, and lead paint are completed                                                                                                                                                                        |                                                                                      |                   |                              |                             |
|                 | Waste is characterized and hazardous waste properly disposed of.                                                                                                                                                                                |                                                                                      |                   |                              |                             |
|                 | Iron metals and aluminum scraps are recycled, as is shrink wrap for winter storage of boats.                                                                                                                                                    |                                                                                      |                   | pounds                       | Maintenance                 |
|                 | Ozone depleting CFCs such as refrigerants and aerosols are avoided and/or existing CFCs are recovered, recycled, and properly disposed.                                                                                                         |                                                                                      |                   |                              |                             |
|                 | Chemicals are stored in appropriate storage cabinets. MSDS sheets are stored in an accessible location that employees can readily access.                                                                                                       |                                                                                     |                   |                              |                             |
| Recycling       | Aluminum, glass, paper, plastic, and tin are recycled.                                                                                                                                                                                          |                                                                                    | Sec. 2. (e) (iii) |                              |                             |
|                 | DVD's, CD's, and other "technotrash" is recycled.                                                                                                                                                                                               |                                                                                    | Sec. 2. (e) (iii) |                              |                             |
| Solid waste     | Surplus property is tracked and eliminated from disposal in the waste stream through property transfer to other parks and/or agencies and make property available through GSA auction to the public. Document the process of excessing property |                                                                                    |                   | Surplus equipment in storage | Maintenance/ Administration |
|                 | Solid waste is collected and removed from the islands.                                                                                                                                                                                          |                                                                                    | Sec. 2. (e) (ii)  |                              |                             |

|                       |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                             |                                                 |                          |                              |
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| Electronic Waste      | Electronic media, computer components, and computer peripherals are recycled.                                                                                                                                                                                                                                                   |       | Sec. 2: (j) (iii)                               |                          |                              |
| <b>Transportation</b> |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                             |                                                 |                          |                              |
| General               | Equipment, vehicles, and boats are routinely serviced to maintain peak efficiency.                                                                                                                                                                                                                                              |       | Sec. 2: (b) (iii), (b) (iv)                     | each                     | Fleet Manager                |
|                       | Fuel usage is tracked in automobiles and boats.                                                                                                                                                                                                                                                                                 |       |                                                 |                          |                              |
| Automobile            | Employees carpool between work stations whenever possible; travel to airports and off-site meetings emphasizes carpooling.                                                                                                                                                                                                      |       | Sec. 2: (b) (ii), (b) (iii), (b) (iv)           | Number of employees      | Parkwide                     |
|                       | Vehicles are turned off when not in use.                                                                                                                                                                                                                                                                                        |       | Sec. 2: (b) (iii), (b) (iv), (e) (v)            | Percent staff compliance | Parkwide                     |
|                       | Stabilize the park's vehicle fleet. New vehicle purchases or GSA rentals will be the most efficient vehicles available that will accomplish the needed function of the vehicle. Flex-fuel vehicles are purchased when feasible. Smaller existing 4-wheel drive vehicles are replaced when feasible without compromising safety. |       | Sec. 2: (a) (iii), (b) (i), (b) (iii), (b) (iv) | each                     | Fleet Manager                |
| Boating               | Boats are not operated in adverse weather conditions except in emergency situations.                                                                                                                                                                                                                                            |       | Sec. 2: (b) (iii), (b) (iv)                     |                          |                              |
|                       | Boat operators use the most efficient routes for completing work.                                                                                                                                                                                                                                                               |       | Sec. 2: (b) (ii), (b) (iii), (b) (iv)           | Number trips             | Planning/Resource Management |
|                       | Boat operator's plan and schedule trips to reduce redundancy.                                                                                                                                                                                                                                                                   |     | Sec. 2: (b) (ii), (b) (iii), (b) (iv)           |                          |                              |
|                       | Boats are turned off when not in use. Motors are not idled at docks for lengthy periods of time.                                                                                                                                                                                                                                |   | Sec. 2: (b) (iii), (b) (iv), (e) (v)            |                          |                              |
|                       | Fuel and oil discharge is reduced through inspection and maintenance of fuel station equipment and vessel machinery.                                                                                                                                                                                                            |   | Sec. 2: (b) (iii), (b) (iv), (e) (v)            |                          |                              |
|                       | Diesel boats are converted to efficient, low-polluting four stroke gas engines whenever possible.                                                                                                                                                                                                                               |   | Sec. 2: (b) (iii), (b) (iv)                     |                          |                              |
|                       | Biodiesel fuel is used in the Nenookaasi and the Pelican (the park's only remaining diesel boats).                                                                                                                                                                                                                              |   | Sec. 2: (b) (iii), (b) (iv)                     | each vessel              | Maintenance                  |

|                                            |                                                                                                                                                                                                                                                                   |                                                                                       |                                                  |                                  |                              |
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|                                            | Synthetic lubricants are used in all Honda outboard motors.                                                                                                                                                                                                       |    | Sec. 2: (b) (iii), (b) (iv), (e) (v), (e) (viii) | volume purchased                 | Maintenance                  |
|                                            | Efficient, low-polluting four stroke motors are used in all outboard boats.                                                                                                                                                                                       |    | Sec. 2: (b) (iii), (b) (iv)                      | each vessel                      | Maintenance                  |
|                                            | The concession boat is used to transport staff whenever feasible.                                                                                                                                                                                                 |    |                                                  |                                  |                              |
|                                            | Proper boats are used for the load required. The Pelican is used to haul larger amounts of equipment and supplies thus reducing trips.                                                                                                                            |    | Sec. 2: (b) (iii), (b) (iv)                      |                                  |                              |
|                                            | Oil testing is done on engines and transmissions to determine if a change is needed based upon the properties of the lubricants to ensure complete consumption.                                                                                                   |    | Sec. 2: (b) (iii), (b) (iv), (e) (v)             |                                  |                              |
| ATVs and Snowmobiles                       | Snowmobiles with 4 stroke engines are used over 2 stroke when feasible. All remaining 2 stroke engines will be replaced.                                                                                                                                          |    | Sec. 2: (b) (iii), (b) (iv)                      | each                             | Protection                   |
|                                            | Snowmobiles and ATVs are turned off when not in use. Motors are not idled for lengthy periods of time.                                                                                                                                                            |    | Sec. 2: (b) (iii), (b) (iv), (e) (v)             |                                  |                              |
|                                            | Minimal impact is inflicted upon the environment while using these pieces of equipment.                                                                                                                                                                           |    |                                                  |                                  |                              |
| Walking                                    | Park employees hike to many work sites upon reaching the islands on a routine basis.                                                                                                                                                                              |    | Sec. 2: (b) (ii), (b) (iii), (b) (iv)            |                                  |                              |
| <b>Vegetation Management</b>               |                                                                                                                                                                                                                                                                   |                                                                                       |                                                  |                                  |                              |
| Exotic plants – Integrated Pest Management | Preventative measures include education, boot brushes on docks to remove seeds from shoes and boots, and monitoring susceptible landscapes. Sustainable management options used include aggressive treatment of newly discovered small patches, and hand-pulling. |   | Sec. 2. (e) (vii)                                | each                             | Planning/Resource Management |
|                                            | Spotted knapweed - preventative efforts include proactive annual surveys of sites likely to be infested; annual treatment of known sites, education, boot brushes.                                                                                                |  | Sec. 2. (e) (vii)                                | acres                            | Planning/Resource Management |
| Invasives                                  | Emerald ash borer - preventative measures include education, and a parkwide restriction on the transportation of wood between the islands and the mainland. Impacts of gypsy moths are monitored through egg mass and defoliation surveys.                        |  |                                                  | each publication/acres protected | Planning/Resource Management |
| Integrated Pest Management                 | An integrated pest management system is used to reduce or eliminate the need for toxic insecticides and pesticides.                                                                                                                                               |  |                                                  |                                  |                              |
| Woody brush                                | Brush is dispersed in wooded areas or remove completely (dependent on fire fuel load).                                                                                                                                                                            |  |                                                  |                                  |                              |

|             |                                                                                                                                                                                                                                                                               |                                                                                     |                   |            |                              |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|------------|------------------------------|
| Restoration | Devegetated areas are restored using native plant species before exotic plants can invade. Removable floating boardwalks are installed in high traffic areas to reduce the need for restoration work. Eroded areas are revegetated to protect cultural and natural landscapes |  | Sec. 2. (e) (vii) | each/acres | Planning/Resource Management |
|             |                                                                                                                                                                                                                                                                               |                                                                                     |                   |            |                              |

**The Natural Step Key**

| Natural Step Condition                                                                                            | Representative Icon                                                                   | APIS Guiding Principles                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nature is not subject to systematically increasing concentrations of substances extracted from the earth's crust. |    | Eliminate the use of non-renewable energy sources; Re-use and recycle non-renewable natural resources.                                                                            |
| Nature is not subject to systematically increasing concentrations of substances produced by society.              |    | Eliminate the use of toxic substances harmful to our environment and community; Reduce dependence upon synthetic materials that do not break down to harmless substances.         |
| Nature is not subject to systematically increasing degradation by physical means.                                 |   | Manage the land, water, soil, wildlife, and other natural resources under the stewardship of APIS in ways that improve their condition and mimics or restores natural conditions. |
| In society, people are not subject to conditions that systemically undermine their capacity to meet their needs   |  | Strengthen our staff and local community members by: Honoring their diversity and culture; Assuring safe practices and facilities for their use; and Providing                    |



| Division   | Category             | Topic                                      | Summary                                                                                                                                                                                                                                                                                                                                                   | Notes                                                                                                                                              | AUDIT | EMS | CFP | Travel Green | SO | EO 13423 |
|------------|----------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|--------------|----|----------|
| ?          | Boat fleet.          | Improve boat fuel efficiency.              | Work closely with concessioner to improve efficiency of cruise boat engines and to reduce fuel consumption. "G"                                                                                                                                                                                                                                           |                                                                                                                                                    |       |     | x   |              |    |          |
| ?          | Boat use.            | Create boat route map.                     | Draw vessel map to show carbon footprint associated with distinct vessel types traveling to popular destinations. Share this widely amongst employees and visitors. "G"                                                                                                                                                                                   |                                                                                                                                                    |       |     | x   |              |    |          |
| Admin      | Electronic waste.    | Extend the life of electronics.            |                                                                                                                                                                                                                                                                                                                                                           | Section 2 (h): Develop policies and programs to extend useful life of electronics. "G"                                                             |       |     |     |              |    |          |
| Admin      | Electronic waste.    | Submit electronics stewardship plan.       |                                                                                                                                                                                                                                                                                                                                                           | Section 2 (h): Develop and submit to OFEE an electronics stewardship plan to address acquisition, operations and maintenance, and end-of-life. "G" |       |     |     |              |    |          |
| Admin      | Electronics.         | Purchase EPEAT products.                   | Section 2 (h): Ensure 95% products purchased are EPEAT registered. "G"                                                                                                                                                                                                                                                                                    |                                                                                                                                                    |       |     |     |              |    |          |
| Admin      | Electronics.         |                                            | Join Fed. Electronics Challenge.                                                                                                                                                                                                                                                                                                                          | Section 2 (h): Join Federal Electronics Challenge or develop equivalent program. "G"                                                               |       |     |     |              |    |          |
| Admin      | Energy info.         | Showcase energy efficiency in VC.          | Showcase energy efficiency improvements and the cooperation (with Green Teams from Bayfield) in the Visitor Center. "G"                                                                                                                                                                                                                                   |                                                                                                                                                    |       |     | x   |              |    |          |
| ALL        | Boat fleet.          | Purchase boats that don't need to be idled | When replacing NPS boats, acquire boats more equipped for beaching, anchoring, and low water as docks become less accessible. "G"                                                                                                                                                                                                                         |                                                                                                                                                    |       |     | x   |              |    |          |
| Facilities | Alternative fuels.   | Encourage alternative fuels.               |                                                                                                                                                                                                                                                                                                                                                           | Section 2 (g): Increase fleet vehicle alternative fuel use by 10% annually. "G"                                                                    |       |     |     |              |    |          |
| Facilities | Alternative fuels.   | Use biodiesel - equipment.                 | Raise biodiesel percentage on all diesel equipment, once warranties end, to as high percentage as will work well for each engine. "G"                                                                                                                                                                                                                     |                                                                                                                                                    |       |     | x   |              |    |          |
| Facilities | Alternative fuels.   | Use biodiesel - vehicles                   | Seek non-soy biodiesel sources, where feasible, to minimize energy and land use impacts and carbon footprint of the creation of the fuel itself. "G"                                                                                                                                                                                                      |                                                                                                                                                    |       |     | x   |              |    |          |
| Facilities | Boat fleet.          | Install engine synchronizers.              | Investigate installing engine synchronizers on twin-engine boats. "G"                                                                                                                                                                                                                                                                                     |                                                                                                                                                    |       |     | x   |              |    |          |
| Facilities | Boat fleet.          | Purchase more efficient boats.             | Reduce size of park fleet. Replace oldest boats with more fuel efficient designs and engines. "G"                                                                                                                                                                                                                                                         |                                                                                                                                                    |       |     | x   |              |    |          |
| Facilities | Building efficiency. | Consider LEED certification.               | Section 2 (f): New construction and major renovation to comply with Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings. "G" Section 2 (f): 15% of existing capital asset building inventory to incorporate the sustainable practices in the Guiding Principles. "G"                                                  | Integrate LEED Gold certification into new building construction planning. "G" Consider LEED certification.                                        |       |     | x   |              |    |          |
| Facilities | Building efficiency. | Ensure new buildings are LEED certified.   | In the longer term, and consistent with the Park's GMP, accelerate replacement of older, non historically significant buildings at Little Sand Bay which are very energy-inefficient, with LEED facilities. "G"                                                                                                                                           |                                                                                                                                                    |       |     | x   |              |    |          |
| Facilities | Building efficiency. | Improve building efficiency.               | Improve heating efficiency from 80% to 95% efficiency by retrofitting insulation, using energy-efficiency technique for next roof replacement, and installing a device that allows for two different door opening heights for boats and trucks on maintenance building. Assume a 5% increase in heating efficiency /reduction in propane consumption. "G" |                                                                                                                                                    |       |     | x   |              |    |          |
| Facilities | Building efficiency. | Improve insulation.                        | In the short term, investigate weatherizing 6 heated buildings at Little Sand Bay - including windows and doors, insulation. "G"                                                                                                                                                                                                                          |                                                                                                                                                    |       |     | x   |              |    |          |



|            |                           |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                               |  |  |  |   |   |   |   |   |
|------------|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|---|---|---|---|
| Interp     | Climate change education. |                                                                                     | Signs posted listing steps taken to improve environmental impact. "G"                                                                                                                                                                                                                                                                                                                           |                                                                                                                               |  |  |  | x |   |   |   |   |
| Interp     | Training & Outreach       | Partnerships.                                                                       | Member of Bayfield Chamber of Commerce and Madeline Island Chamber of Commerce.                                                                                                                                                                                                                                                                                                                 | Continue local partnerships and outreach.                                                                                     |  |  |  |   |   | x |   |   |
| Interp     | Training & Outreach       | Partnerships.                                                                       | Continue local partnerships and outreach.                                                                                                                                                                                                                                                                                                                                                       | Literature promoting local businesses is provided.                                                                            |  |  |  |   |   |   | x |   |
| Interp     | Training & Outreach       | Partnerships.                                                                       | Continue local partnerships and outreach.                                                                                                                                                                                                                                                                                                                                                       | Provide customers with info about products and services offered by local community (tour boats).                              |  |  |  |   |   |   |   | x |
| PRM        | Boat use.                 | NPS transportation database - evaluate it's value in increasing boating efficiency. | End of season review - # trips saved, # trips where multi-tasking occurred                                                                                                                                                                                                                                                                                                                      |                                                                                                                               |  |  |  |   |   | x |   |   |
| PRM        | Water                     | Water use.                                                                          | Minimize landscape water use.                                                                                                                                                                                                                                                                                                                                                                   | Landscapes with native plants, minimizing the need for excess watering and fertilization.                                     |  |  |  |   |   |   |   | x |
| Protection | Contracts.                | Work with CUA and sustainability.                                                   | Continue to implement the Commercial Use Authorization (CUA) and Special Use Permit (SUP) processes that mandate specific actions and requirements for environmental responsibility. "G"                                                                                                                                                                                                        |                                                                                                                               |  |  |  |   | x |   |   |   |
| Protection | Contracts.                | Work with CUA and sustainability.                                                   | Work with CUA permittees to improve their sustainability performance and interpretation. "G"                                                                                                                                                                                                                                                                                                    |                                                                                                                               |  |  |  |   |   |   |   | x |
| Protection | Partner transportation.   | Influence private-sector transportation.                                            | Encourage, in park planning documents and when negotiating concessions contracts, expanded private-sector transportation services to additional islands with docks (provided it does not require significant additional investment in infrastructure or maintenance). This would reduce use of NPS vessels, the number of private boats, congestion at docks, and overall fuel consumption. "G" |                                                                                                                               |  |  |  |   |   |   |   | x |
| Protection | Spill prevention.         |                                                                                     | Develop an Emergency Operations Plan training program and present to all staff (to include seasonal staff) and volunteers. Provide documentation that both were completed.                                                                                                                                                                                                                      |                                                                                                                               |  |  |  |   |   |   |   |   |
| ?          | Building efficiency.      | Include efficiency in building lease.                                               | Section 2 (f): Preference for high performance buildings for leased properties. "G"                                                                                                                                                                                                                                                                                                             | When renegotiating building leases, work with GSA to significantly increase energy efficiencies in concert with the park. "G" |  |  |  |   |   |   |   | x |
| ?          | Building efficiency.      | Investigate passive ventilation.                                                    | Investigate the possibility of converting to passive ventilation. "G"                                                                                                                                                                                                                                                                                                                           |                                                                                                                               |  |  |  |   |   |   |   | x |
| ?          | Building efficiency.      | Investigate window improvements.                                                    | Investigate window coverings for buildings in the summer at HQ, Roy's Point and Little Sand Bay Visitor Center and other facilities. Use sun control film to reduce heating/cooling costs. "G" Improve windows and weather-stripping at Headquarters.                                                                                                                                           |                                                                                                                               |  |  |  |   |   |   |   | x |
| ?          | Building efficiency.      | Investigate window improvements.                                                    | Windows are opened (when possible) instead of running air conditioners. "G"                                                                                                                                                                                                                                                                                                                     |                                                                                                                               |  |  |  |   |   |   |   | x |
| ?          | Building efficiency.      | Work with Bayfield Green Teams to improve building efficiency.                      | Bring Green Teams from Bayfield and the park together to develop a plan for making the Courthouse a model of energy efficiency and sustainability in a historic building, fulfilling a commitment the Mayor and the Superintendent made. "G"                                                                                                                                                    |                                                                                                                               |  |  |  |   |   |   |   | x |
| ?          | Contracts.                | Incorporate green purchasing in contracts.                                          | Work with regional concessions staff to make sure the next Request for Proposals for the concessions contract required the operator to be more environmentally friendly and to educate visitors about those actions (e.g. display signage, etc.). "G"                                                                                                                                           | Section 2 (d): Incorporate EO requirements into contracts, permits, licenses and other agreements. "G"                        |  |  |  |   |   |   |   | x |
| ?          | Contracts.                | Incorporate green purchasing in contracts.                                          |                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                               |  |  |  |   |   |   |   |   |
| ?          | Discharges.               | Prevent discharges.                                                                 | Provide annual discharge prevention briefings to assure adequate understanding of the SPCC plan for the facility. Briefings should include a description of any known discharges or failures, malfunctioning components, and any recently developed precaution. "G"                                                                                                                             |                                                                                                                               |  |  |  |   |   |   |   | x |
| ?          | Energy                    | Renewable energy.                                                                   | Develop on-site renewable energy.                                                                                                                                                                                                                                                                                                                                                               | Design and install geothermal heat at Little Sand Bay provided the design can be adapted to replacement buildings.            |  |  |  |   |   |   |   | x |
| ?          | Energy use.               | Reduce energy intensity.                                                            | Section 2 (a): Reduce energy intensity by 3% annually through 2015 or by 30% by 2015. "G"                                                                                                                                                                                                                                                                                                       |                                                                                                                               |  |  |  |   |   |   |   |   |
| ?          | Fuel use.                 | Buy local.                                                                          | Purchase, when possible, from sources as close as possible to the park to minimize transportation impacts and costs. "G"                                                                                                                                                                                                                                                                        |                                                                                                                               |  |  |  |   |   |   |   | x |
| ?          | Fuel use.                 | Maintain fuel station.                                                              | SO 17 on fuel and oil did not contain information on spills or emergency response activities associated with fueling. Update SO 17 to reflect specific procedures related to fueling boats and equipment to include shutting off electrical equipment and opening hatches. "G"                                                                                                                  |                                                                                                                               |  |  |  |   |   |   |   | x |
|            |                           |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                 | (Update SO17)                                                                                                                 |  |  |  |   |   |   |   | x |







|   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |
|---|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| ? |  |  | <p>Reach out to the highest rated two US and two Canadian parks highlighted as top destinations for sustainable stewardship by National Geographic Magazine (APIS tied for 2nd place!), for the purpose of information sharing on sustainability and environmental leadership issues. We will take the best ideas, which we are not otherwise using and are appropriate to our situation, and begin implemented them here at APIS. No need to always "reinvent the wheel". Sister parks have been chosen and contacted; productive information sharing taking place. Background: Originated in October 2009 as a result of APIS, along with other local businesses, hosting an International "Eco-Tourism Best Practices Mission" for staff from the Wisconsin Department of Tourism, local "Travel Green Wisconsin" certified business people and members of the Atlantic Canada Opportunities Agency. Information was shared on sustainable community development, eco-tourism practices, and our common environmental and sustainability vision. Google National Geographic Magazine National Parks Destination Scorecard.</p> |  |  |  |  |  |  |  |
| ? |  |  | <p>Select several "low hanging fruit" from the Climate Friendly Action Plan and work towards their implementation.* This FY the rating on this goal has been changed to "Low" as it now mostly falls into the above mentioned IEP. The IEP project will be in use this starting this FY and we need time to see how it shall work in regards to this goal. If it works well than this goal can be combined with the above IEP project; if it doesn't work well then we can raise the priority of this goal back to High or Medium and resume work separately on it.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |
| ? |  |  | <p>Strengthen the tie between sustainability and people. Show how our sustainability efforts directly, and indirectly, benefit our local work environment as well as our employees, their families, communities and world. Short / long term vision of our sustainability impacts.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |