

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.





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

Unique ID	Objective	Target/Metric	Start Date	Status	Last Progress Update	Completion Date	Responsible Party	Impacts	Future Vision	Resources Needed	Documents & Records	Notes
2011.1 GOAL 1: Increase fleet efficiency.												
2011.1a	Purchase boat or modify existing to increase efficiencies, specifically the Pelican.	1. Obtain decision from MWRO 2. If approved to replace, submit to contracting ; if disapproved, table for future action.	10/1/2011	in progress	21' high speed landing craft has been ordered from the sales of surplus boats. A work boat (Landing Craft) to replace the LCM (Pelican) 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 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:
2011.2 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 2. Plan is incorporated into the lease.	10/1/2010	In progress	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.	1. Dec. 2011 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:
2011.2b	Replace existing lighting with LED lighting at Hokensen House (100% FY 10)	Number bulbs installed	10/01/10	In progress	Hokensen House has 98% LED lights	5/31/2011	Facility Mngt/HSP/Util	FF	Energy			Background: Potential obstacles: Other:
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	5/31/2011	Facility Mngt/HSP/Util	FF	Energy			Background: Potential obstacles: Other:
2011.2d	Replace existing Lighting w/ LED lighting at EAST drom LSB01 (90%)	# bulbs installed	10/1/2010	In progress	LSB01 has 90% RoHS compliant (restricts the use of 6 specific hazardous materials found in electrical and electronic products) LED lighting.	Target 9/30/2011	Util	FF	Energy	Only \$		Background: Potential obstacles: Funding Other: Possible EOY Funds can be used
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 (restricts the use of 6 specific hazardous materials found in electrical and electronic products) LED lighting.	5/31/2011	Facility Mngt/HSP/Util	FF	Energy			Background: Potential obstacles: Funding Other: Possible EOY Funds can be used
2011.2f	Insulate hot water pipes to LSB housing		Spring 2011	in planning	Hot water pipes in crawl space at LSB02 planned for later this summer	target 11/2011	FM/UTIL/Plbg	FF	Energy			Background: Potential obstacles: Other:
2011.2g	Insulate hot water pipes to Stockton housing		Spring 2011	in planning	The utility team insulated all housing hot water pipes except for STB01, which is planned for end of summer.	Target 9/30/2011	Facility Mngt/HSP/Util	FF	Energy			Background: Potential obstacles: Other:
2011.3 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	2008 EPA Audit Report #2	Background: Potential obstacles: Getting a determination from DNR Other: Brian found that contacting the State for this report was pretty easy.
2011.4 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 HAZWOOPER Training 3. Training material was received from Tetra Tech 06/09/2011	Target 9/30/2011	Facility Mgmt. & Green Team (Randy is project lead)	AP,WP,FF,FO,TC,UW,HW	Hazardous Materials & Spills			Background: Originated as an EMS audit finding from 2008. Potential obstacles: Other:
2011.5 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. 2. Recommendations for improvements to normalize GHG data have been provided to the Green Team & Mgmt. 3. 2nd person has been trained to use the CLIP tool.	11/01/10	In progress	1. An updated 2010 emissions inventory was completed using the new version of the CLIP tool. 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. 3. Monica and Heidi were trained to use the CLIP tool.	09/23/11	Facility Mgmt. & Green Team (Randy is project lead. Monica & Heidi to assist)	AP,FF,FO	Transportation		CFP Plan CLIP Tool	Background: Potential obstacles: Other:	
2011.6	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. 2. IEP is made available for use by staff and selected staff are notified of it's expected use. 2. IEP is actively being used	Fall 2008	In progress	Monica, Randy and Peggy worked with PRIZIM 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 (as assigned) (Randy & Peggy are project leads)	AP,WP,FF,FO,TC,UW,HW,SW	All	PRIZM		Background: Originated as a result of a EMS audit finding from 2008. Potential obstacles: Funding Other:	
2008-?	Promote alternative transportation - install bike racks at LSB and Meyers Beach.						Interpretation						
2008-?	Purchase and choose to operate 4-stroke ATV and snowmobile engines over 2-stroke engines.	Receipt of Purchase	1/1/2008			12/31/2008	Protection						
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			1/1/2009	Maintenance						
2008-?	The Green Team will assist with implementation of the CFP plan. "G"	Document progress towards goal					Green Team						
2009.10a	Complete environmental commitment statement for IEP	Document	3/1/2010	Bi-annual update	Reviewed by Kelly Garrison and Monica Magari and update completed on 3/30/2011	3/30/2011	Green Team						Include update of SO31 as a goal in 2013
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.												
2009-?	Consider composting toilets far away from the shoreline.					09/31/2009							Evaluation has not yet been completed.
2009-?	Convert park headquarters' natural gas boiler to a high efficiency natural gas boiler.												
2009-?	More efficient exterior building security lights has been investigated.												
2009-?	The effectiveness of the fungus Entomophaga maimaiga will be evaluated.	Number infested acres				2007	Natural Resources						Should this be moved back to the IEP workbook? Is it still in progress?
2008-?	If feasible, make arrangements to recycle used oil filters. "G"					09/31/2008	Maintenance						

2010.5a	Provide annual discharge prevention briefings to assure adequate understanding of the SPCC plan.	Training Roster SS				6/15/2010			HazMat			
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			HazMat			
2010.7a	Label universal waste appropriately clearly indicating their status (used or waste) and what they are (batteries or universal waste).	Label				6/15/2010			Waste			
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		HazMat			
2010.1b	Purchase boats that are optimum for their intended use (i.e. beaching) to reduce the amount of engine operating time required.	Receipt of Purchase				9/31/2010			Procurement			
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
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				Gypsy moth trapping 1997-2008; defoliation surveys 2009 - present	Natural Resources		NatRes&Env			Surveys indicate islands infested with gypsy moths
20??	Prohibit the transportation of firewood to and between the islands.					6/6/2006	Natural Resources		NatRes&Env			
20??	Propose projects to PMIS to replace electrical and lighting deficiencies.								Energy			
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			
20??	Incorporate S.O. 31 into IEP ECS	Document					Superintendent		Training & Outreach			
20??	Work with the city to ensure waste is recycled. Educate employees to proper disposal of products - ongoing. "G"	Training Roster SS				2009	Green Team		Waste			
20??	Stop air drying hazardous waste.								Hazardous Materials & Spills			
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			
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					Maintenance		HazMat			
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. "G"	Signature Sheet					Protection		HazMat			

20??	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; and the contents of the SPCC plan.	Training Roster SS					Maintenance		HazMat			
20??	Utilize Sustainability Committee.								Training & Outreach			
20??	Determine the hazardous waste generator status for the park.								Hazardous waste.			
20??	Ensure waste accumulation site does not need permit.								Hazardous waste.			
20??	Label used oil containers.								Hazardous waste.			
20??	Signs created on site.					09/31/09			Waste			
20??	Complete the NPS transportation database.	One database				10/1/2008	Resource / Planning		Transportation			
2010.4c	Research the value of using solar powered refrigerators at one remote location in 2009.	# Days Unit Works				9/1/2010	Maintenance		Energy			
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.								Hazardous Materials & Spills			
2012.1	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 either 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.
2012.1b	All new LED lighting purchased is ROHs certified (less chemicals and metals used, including no mercury!).		10/1/2011	in progress	4th Qtr: Fourth qtrs update Same as 3rd qtr; 3rd Qtr: park has no electrician on staff and utility's base bdgt was given very little \$ for mat'ls so very little has been done		Facility Mgmt.	UW	Hazardous Materials & Spills	3rd Qtr: park has no electrician on staff and utility's base bdgt was given very little \$ for mat'ls so very little has been done		Background: Potential obstacles: Other:
2012.2	GOAL 2: Preserve integrity of naturally and culturally significant sites.											
2012.2a	Completion of Ironwood restoration project, including sandscaping 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		Background: Potential obstacles: Other:
2012.3	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			Background: Potential obstacles: Other:
2012.3b	Integrate interactive elements into the Culture and Climate Change exhibit.		March, 2012	in progress	4th Quarter : Balance Studios - Green Bay was selected to complete the contract. They are working on creating a website and will then create the interactive kiosk for the exhibit.	scheduled for late October	Assistant Chief of Interp. & Education	TBD	Assistant Chief of Interp. & Education			Background: Potential obstacles: Other:
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		Background: Potential obstacles: Other:

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.
2012.4 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	3rd Qtr: park has no electrician on staff and util base bdgt was given very little \$ for mat'ls so very little has been done 1st Qtr: Electrician will start installing some in Nov 2011 at LSB as time allows.		Historic Structures, Buildings & Utilities Supervisor	UW	Energy	park has no electrician on staff and util base bdgt was given very little \$ for mat'ls so very little has been		Some bulbs purchhsed. Will need addl funding to complete.
2012.4b	Convert all fluorescent lights in island housing to ROHs certified, low-watt LED lighting .		10/1/2011	in progress	4th Qtr: approx 95% complete; 3rd Qtr: All mat'l ordered, some minor work started today ;1st Qtr: Inventroy of needs completed Sept 2011, is being compiled November 11. Still waiting on success of grant to implement.		Historic Structures, Buildings & Utilities Supervisor	UW	Energy	park has no electrician on staff and util base bdgt was given very little \$ for mat'ls so very little has been		Background: Potential obstacles: Other:
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.
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 October2011. Was tested and adjusted first week november. Solar lighting operational.	6/1/2012	Marine & Grounds Supervisor	FF	Energy			Background: Potential obstacles: Other:
2012.5 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		Background: Potential obstacles: Other:
2012.6 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: Potential obstacles: Other:



 **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
Administrative					
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...				
Communication, Education, and Outreach					
	Produce from the Raspberry Island garden is donated to the Red Cliff Elderly Nutrition Program.		Sec. 2. (e) (vi)	lbs of produce donated	Interpretation

Community	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
	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)		
Construction and Maintenance					
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)		
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)		
Water systems	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				
	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 upgraged 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
	On-demand hot water heaters are used in island facilities.		Sec. 2: (a) (i), (a) (ii), (b) (iii), (b) (iv), c (i)		

Water – Islands	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
Purchasing					
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.	 			
Recycling and Waste Management					
	Employees are trained in hazardous materials management and response to spills.		Sec. 2. (e) (i)		
	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)		

Hazardous waste	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 <u>excessing property</u> .			Surplus equipment in storage	Maintenance/ Administration
	Solid waste is collected and removed from the islands.		Sec. 2. (e) (ii)		
Electronic Waste	Electronic media, computer components, and computer peripherals are recycled.		Sec. 2. (i) (iii)		
Transportation					

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
	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)		
Vegetation Management					
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	Appliances.	Turn off lights, appliances.	Educate employees on turning off lights when leaving office for more than 15 minutes, and turning off equipment when not in use - ongoing. "G"			x				
Admin	Appliances.	Turn off lights, appliances.	Computers, monitors, printers, photocopiers, and other small appliances such as coffee machines are turned off when not in use. "G"						x	
Admin	Appliances.	Turn off lights, appliances.	Lights are turned off when not in use. "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			

Green Team	training		Sustainability training for subcommittee members should be a priority - members need to know basic principles and options in order to more effective.	(For example, we are often asked about using CFL's or we mention them as a good option to use. Why is that? Where is their use appropriate? Potential hazards to be aware of? How much of a \$\$ and Co2 reduction could be expected vs. an incandescent light bulb? Etc.). Try to offer increased training opportunities and encourage participation – expand this to all employees as appropriate.							
Interp	Alternative transportation.	Promote alternative transportation.	Promote climate-friendly advantages of sailing and kayaking, and the use of the concession transportation services in the park. "G"					x			
Interp	Alternative transportation.	Promote alternative transportation.	Hiking and kayaking are promoted by an employee stationed at Meyers Beach. "G"						x		
Interp	Alternative transportation.	Use alternative transportation.	Walking, biking, and bicycle use is encouraged through posting of bus schedules, reduced rate transit passes, routes and/or maps. "G"							x	
Interp	Boater education.	Promote climate change education for boaters.	at stockton island					x			
Interp	Climate change education.	Explore local funding for Do Your Part!	Investigate local partnerships to secure the needed funding and support for the Do Your Part! Program. Incorporate Do Your Part! Materials including kiosk, poster and brochures into park materials."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"	(Update SO17)	x					
	Fuel use.	Measure fuel use.	Install fuel consumption meters that will allow the operator to use the engines at their optimal fuel consumption throttle setting. "G"				x			
	Fuel use.	Reduce fuel consumption.	Section 2 (g): Reduce fleet vehicle petroleum consumption by 2% annually through end of FY2015.	Reduce fuel consumption by 5%. "G"			x			
	Green products.	Buy green according to Fed. guidelines.	Park employees who are involved in making purchases should familiarize themselves with the CPG and ensure that the purchases they make are in accordance with the CPG. "G"		x					
	Green products.	Consider product life cycle.	Evaluate the necessity of a purchase prior to completing it, considering eventual need for disposal. "G"				x			
	Green products.	Document when CPG products are not purchased.	Document instances when and why employees do not purchase products in accordance with the CPG. "G"		x					
	Green products.	Increase use of rechargeable batteries.	Increased use of rechargeable batteries by 2%. "G"				x			
	Green products.	Increase use of recycled products.	Increase use of recycled products by 2%. "G"				x			
	Green products.	Use recycled lumber.	Used recycled lumber on boardwalks and stairs. "G"							x
	Hazard communication.	Distribute MSDSs.	Share MSDSs with the contractor for chemicals they may come into contact with during their cleaning activities. "G"		x					
	Hazard communication.	Submit MSDSs for hazardous chemicals.	Submit an MSDS for each hazardous chemical present at the park above threshold levels to the SERC, LEPC, and the local fire department. If the park is not required to comply with this reporting requirement (based on a determination from the LEPC and SERC), create a note to the park files to document this determination. "G"		x					
	Hazardous waste.	Record hazardous waste generation.	Document and maintain the amount of hazardous waste generated each month. This can be done by developing a log which is filled out each month. If hazardous waste is not produced in any given month, note that zero pounds of waste were generated on the waste inventory log. "G"		x					
	Hazardous waste.	Schedule hazardous waste disposal.	While there is no time frame for disposal of VSQG, as a BMP, it is best to only manage the waste on site for 12 months. Consider setting up an annual collection day with a local hazardous waste hauler. "G"		x					
	HVAC.	Conduct preventive maintenance on HVAC system.	HVAC system is on at least an annual regular preventive maintenance schedule to prevent and fix problems which may reduce energy efficiency. "G"							
	Lighting.	Install efficient light bulbs.	Use high efficiency LED lights and fixtures. Research LED lighting for use on islands where principal energy source is solar power. "G"				x			
	Lighting.	Update lighting and wiring.	Replace lighting, wiring and electrical panels to meet NEC. "G"				x			
	Partnerships.	Continue local partnerships and outreach.		Work with WDNR and the US Forest Service and the partners at the Northern Great Lakes Visitor Center as they develop their sustainability programs, to learn from each other's experiences. "G"				x		
	Propane.	Propane - conflict.	Reduce propane usage on islands. "G"	Eliminate diesel generators and convert to solar and propane on islands. Propane is cleaner and safer to transport across Lake Superior waters. "G"				x		
	Push mowers.	Experiment with push mowers.	Experiment at 1-2 island sites with non-powered push mowers, especially where mowing is done by volunteers. "G"					x		
	Recycling.	Continue to recycle.	Reduce, Reuse, Recycle messaging - connect to climate change message. "G"					x		

	Recycling.	Educate about recycling.	Educate employees about proper disposal. "G"			x				
	Recycling.	Ensure 35% recycled.	Section 2 (e) (ii) and (iii): Minimum 35% recycling goal and continual improvement once reached "G"							x
	Recycling.	Include recycling in leases.	Incorporate more comprehensive recycling program in leases. "G"				x			
	Recycling.	Promote recycling.	Develop a program to provide recyclable or biodegradable bags to visitors with interpretive messaging for island recycling. "G"				x			
	Recycling.	Recycle at launch sites.	Work with partners to incorporate recycling at launch sites outside the park. "G"				x			
	Renewable energy.	Develop on-site renewable energy.	Section 2 (b): Develop additional on-site renewable energy projects. "G"	Research small wind opportunities at Little Sand Bay, and possibly one or more modern island housing sites such as at Oak Island or Stockton-Presque Isle where it would not intrude on cultural landscapes or scenery. "G"			x			
	Renewable energy.	Experiment with non-fossil fuel generators on islands.	Experiment with completely eliminating all fossil-fuel generators and appliances on one or more islands. "G"				x			
	Renewable energy.	Purchase renewable energy	Work with local utilities, WASO, state, and local government officials to provide a green power option for purchase "G"	Section 2 (b): Ensure at least half of the statutorily required renewable energy (per EPACT) consumed by an agency in a FY comes from new renewable energy sources. "G"			x			
	Renewable energy.	Purchase renewable energy.	Section 2 (d): Purchase renewable energy. "G"	Investigate options for buying green power from Xcel Energy, our local power company. Consider replacing 100% of kWh with green-sourced power when it becomes available. "G"			x			
	Renewable energy.	Upgrade to renewable energy sources.	Use solar energy for path lighting around the walk at Little Sand Bay comfort station. "G"				x			
	Resource protection.	Minimize environmental impacts.	Decrease damage to the environment through wise life choices. "G"			x				
	Spill prevention.	Provide EOP training.	Not all park staff, volunteers and seasonals were provided with training on the park Emergency Operations Plan. Once park management determines what is appropriate and expected of park staff with regards to managing hazardous materials spills, develop a training program and present to all staff (to include seasonal staff) and volunteers. "G"		x					
	Spill prevention.	Provide SPCC training.	Oil handling employees at the park had not received training on the SPCC plan. 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; and the contents of the SPCC plan. "G"		x					
	Spill prevention.	Review SPCC plan.	Review and evaluate the SPCC plan every five years. Determine if there are more effective technologies or ways to prevent or control spills when reviewing the SPCC plan. "S"		x					
	Staff involvement.	Apply sustainability in daily lives.	Decrease damage to the environment through wise choices taught to extended family members. "G"			x				
	Staff involvement.	Apply sustainability in daily lives.	Encourage staff to apply sustainability principles in their daily lives. "G"				x			
	Staff involvement.	Hire locally.	30% of staff local. "G"						x	
	Staff involvement.	Share knowledge, tips.	Develop a place on the Share Drive where employees can post Climate Friendly tips or helpful/incentive information so that others can learn and incorporate ideas. Damon can work with schools to have students send in their tips/ideas....Find ways to "Share the Knowledge" that can significantly change an individual's life. "G"				x			
	Staff involvement.	Update staff on environmental progress.	Regular staff meetings held to keep employees involved in the business' environmental improvement progress. "G"						x	
	Staff performance.	Include sustainability performance expectation.	Staff encouraged to uphold sustainable practices by including an evaluation of these practices in performance appraisals. "G"						x	
	Staff performance.	Include sustainability performance expectation.	Ensure all employees have a sustainability performance expectation in their annual performance plans. "G"				x			
	Toxics reduction.	Avoid deodorizers.	Refrains from using deodorizers to mask smells. "G"						x	
	Toxics reduction.	Avoid disposing of chemicals into drains.	Properly dispose of hazardous chemicals and avoid disposing hazardous chemicals into the sink and toilet. "G"						x	
	Toxics reduction.	Develop toxics reduction plan.	Section 2 (e): Develop reduction plan by January 2008 - include goals to support reduction of toxic and hazardous chemicals and materials. "G"							
	Toxics reduction.	Use low-VOC paints.	Low-VOC paints and finishes are used. "G"							
	Toxics reduction.	Use water to preclean toilets.	Use water to preclean toilets. "G"			x				

	Training & Outreach	Waste info. Cross-reference with Waste.	Provide info on diaper disposal.	At the leased fuel tanks associated with Roys Point there was a collection point for used diapers, the diapers were overflowing the collection container, exposed to the elements...Recommend when updating the fueling protocols for marine vessels, to include info on appropriate use and disposal of diapers.	x						
	Training EO13423.	EO13423 communication.	Requires all personnel and others (e.g. contractors) receive initial training as well as refresher training on the goals of the EO, and any related instructions to mitigate impacts. "G"								
	Travel reduction.	Limit boat trips.	Limit the number of trips to outer islands and increase the minimum length of stay of employees and volunteers on those islands. "G"				x				
	Travel reduction.	Use video-conferencing.	Use video or audio conferencing instead of driving to meetings where face-to-face contact is not essential. "G"				x				
	Travel reduction.	Use video-conferencing.	Video conferencing or teleconferencing is available to reduce traveling to meetings. "G"							x	
	UIC program.	Comply with UIC program requirements.	Ensure that the appropriate park employees know about, understand, and comply with inventory requirements for the UIC program pertaining to Class V injection wells. "G"		x						
	Used oil.	Explore used oil filter recycling.	If feasible, make arrangements to recycle used oil filters. "G"		x						
	Used oil.	Incorporate used oil training into EMS.	Ensure that the Used Oil SOP, training and training records are incorporated into the park's EMS as appropriate. "G"		x						
	Vehicle use.	Use appropriately-sized vehicles.	Use appropriate-sized vehicles to match the job. "G"				x				
	Visitor education.	Educate public on environmental improvement.	Tour highlighting environmental improvement projects/actions is provided to the public. "G"							x	
	Waste	Hazardous waste.	Label hazardous waste containers.	Label all containers of hazardous waste with the words "hazardous waste." Consider developing a SO that identifies a process for hazardous waste from generation to disposal. Provide the SO and associated training to all staff that are involved in the process.	x						
	Waste	Waste reduction.	Keep dumpsters locked at Roy's Point to prevent mixing of wastes and non-NPS wastes. Note: This was attempted but bears ripped the lids of the containers.								
	Waste	Waste reduction. Cross-reference with Procurement.	Buy in bulk.	Purchase repeat items (i.e. paper) in a manner that reduces packaging (larger, fewer orders) when it is feasible.			x				
	Waste	Waste reduction. Cross-reference with Procurement.	Buy in bulk.	Products are purchased in bulk/concentrate (especially cleaning products) when feasible.					x		
	Waste reduction.	Consider glass ban on islands.	Consider banning all glass containers by visitors from the islands. "G"				x				
	Waste reduction.	Increase recycled products.	Increase use of recycled products in Visitor Contact Area by 2%. "G"			x					
	Waste reduction.	Investigate composting.		Investigate (bear-proof) composting at Little Sand Bay and other housing locations. "G"			x				
	Waste reduction.	Investigate wastewater incineration and composting.	Investigate short season, low season, cold air compost, and incinerating wastewater. Experiment with one incinerator toilet at Sand Island-East Bay. "G"				x				
	Waste reduction.	Promote Leave No Trace.	Consider full-scale pack it in, pack it out policy for the entire park. "G"				x				
	Waste reduction.	Reduce printing.	Reduce hard copies by 5%. "G"			x					
	Waste reduction.	Reduce printing.	Establish a set of guidelines for formalize waste prevention strategies into standard park practices (reduce consumption, print double-sided, reuse garbage bags, separate food waste). Ask: Do I really need a copy? Can I file electronically? "G"				x				
	Water heaters.	Ensure water heaters are efficient.	Completed 2010 w/ EOY Funds?	Install lower tank volume Hot Water heater at Little Sand Bay comfort station. "G"			x				
		– this is a Facility Management / Administration and Interpret./Res Education combined team goal / plan;	"Greening the Islands" with phase one having already been entered into PMIS. In the future it is hoped that the park "Friends" will expand their buy-in to the project and perhaps setup an "Adopt an Island" program. * While we feel this is a commendable project deserving higher priority it is not "our" project. The Subcommittee is only involved in consultation at this point however our role may expand in the future.								
		Water use.	Install faucet motion sensors.	Install motion sensors on faucets where drop-type faucets are inappropriate. "G"			x				
			Develop a FAQ for Recycling (including electronics) to assist employees with understanding what can be recycled, how to process it and where it will end up. This would tie in to one of our Climate Friendly Goals (Waste Management; Section 1; Reduce, Reuse, Recycle Messaging; page 13) and the development of an Intranet recycling page.								

			Develop and implement a simple system to recognize and celebrate outstanding sustainability performance.								
			Formulate and provide a recommendation to the Superintendent for Green Purchasing guidance and a modification to our credit card logs that show if an attempt was made to purchased "Green" products. If so, list why they are considered Green. If not, list why a Green purchase not made.								
			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.								
			Review, and update if needed, S.O. 31, Sustainability BMP's and Sustainability section on the APIS Internet / Intranet pages.								
			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.								
			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.								