



Northwest Power and Conservation Council's High Level Implementation Indicators

The Council adopted a working list of high level indicators on July 16, 2008. As part of the process for refining these high level indicators, the Council has developed a preliminary report of the implementation indicators available from PISCES' work elements. This report provides information on how the relevant work element metrics entered in PISCES are rolled up to derive the Council's high level implementation indicators.

The indicators will track progress in the general categories of land, water, passage, and screens (see attached table). When completed, these indicators will be used in the Council's annual reports to Congress and the region's Governors.

We would appreciate any comments that you have in regard to this subset of the Council's high level indicators. Are the data rolled up appropriately? Do the indicators fully utilize the information in the PISCES database? Do you have any suggestions about how to improve the quality or clarity of these indicators?

The Council recognizes that these indicators are not perfectly aligned with those in the Pacific Coastal Salmon Recovery Fund (PCSRF) administered by NOAA. The Council supports work to better align these two databases which will primarily require coordination between two federal agencies, BPA and NOAA. The Council supports this reconciliation process.

Please submit your comments by December 3, 2008 to Stacy Horton at shorton@nwcouncil.org.

For more information, see www.nwcouncil.org/fw/program/hli.

High Level Implementation Indicators

The table below outlines the general category of implementation indicators, the PISCES work elements related to this indicator, work element identification number in PISCES, work element name, work element metric identification number, and the work element metrics entered into PISCES by project sponsors for 2006 and 2007.

For a given indicator category there may be more than one total high level indicator calculated due to the units not allowing summation across the entire category. For instance there are two Council high level indicator totals for 'Install Fish Screens indicator' due to this indicator being reported as both acre-ft and cfs units.

We seek comments on the following proposed high level indicators.

Implementation Indicator Category	Work Element (WE) Category	WE ID	WE Name	WE Metric ID	WE Metric	2006 data	2007 data
Passage Barriers	Instream passage improvement	84	Remove/Install Diversion	1441	# of miles of habitat accessed	80.4	92.7
		85	Remove/Breach Dam	1441	# of miles of habitat accessed	20.8	42.6
		184	Install Fish Passage Structure	1441	# of miles of habitat accessed	154.7	122.9
TOTAL: Council's Instream Passage Improvement Indicator (# of miles of habitat accessed)			Summation of WE84, WE85, WE184		# of miles of habitat accessed	255.9	258.2
Water	Water conservation and irrigation improvement	82	Install Well	1438	# of miles of primary stream reach improvement	5	0.8
		149	Install Pipeline	1438	# of miles of primary stream reach improvement	1056	1.2
		150	Install Sprinkler	1438	# of miles of primary stream reach improvement	0	0
	Water transactions	164	Acquire Water Instream	1438	# of miles of primary stream reach improvement	595.30	414.9
TOTAL: Council's Water conservation , irrigation improvement and water transactions indicator #1 (# of miles of primary stream reach improvement)			Summation of WE82, WE149, WE150, WE164		# of miles of primary stream reach improvement	1656.3	416.9

Implementation Indicator Category	Work Element (WE) Category	WE ID	WE Name	WE Metric ID	WE Metric	2006 data	2007 data
Water	Water conservation and irrigation improvement	82	Install Well	1440	Quantity of water protected acre-ft/year	0	0.3
		149	Install Pipeline	1440	Quantity of water protected acre-ft/year	0	0
		150	Install Sprinkler	1440	Quantity of water protected acre-ft/year	0	0
	Water transactions	164	Acquire Water Instream	1452	Quantity of water protected acre-ft/year	66,282.40	52,368.10
TOTAL: Council's Water conservation , irrigation improvement and water transactions indicator #2 (Quantity of water protected acre-ft/year)			Summation of WE1440, WE1452		Quantity of water protected acre-ft/year	66,282.40	52,368.40
Screens	Install Fish Screens	69	Install fish screen	1436	acre-ft, quantity of water protected	5,995.40	341.1
TOTAL: Council's Install Fish Screens indicator #1 (acre-ft, quantity of water protected)			Summation of WE69		acre-ft, quantity of water protected	5,995.40	341.1
Screens	Install Fish Screens	69	Install fish screen	1437	cfs, flow rate at the screen diversion	231.9	114.7
TOTAL: Council's Install Fish Screens indicator #2 (cfs, flow rate at the screen diversion)			Summation of WE69		cfs, flow rate at the screen diversion	231.9	114.7
Land	Land Acquisition/Conservation Easements	92	Lease land	1379	# of riparian miles protected	143.11	172.81
		5	Land Purchase	1379	# of riparian miles protected	3.85	1.5
TOTAL: Council's Land Acquisition/Conservation Easements indicator#1 (# of riparian miles protected)			Summation of WE92, WE5		# of riparian miles protected	146.96	174.31

Implementation Indicator Category	Work Element (WE) Category	WE ID	WE Name	WE Metric ID	WE Metric	2006 data	2007 data
Land	Land Acquisition/Conservation Easements	92	Lease land	1380	# of acres protected	130,237.80	112,435.30
		5	Land Purchase	1380	# of acres protected	375.4	3,206.00
TOTAL: Council's Land Acquisition/Conservation Easements indicator #2 (# of acres protected)			Summation of WE92, WE5	# of acres protected	130,613.20	115,641.30	
Improvement	Habitat Improvement	30	Realign, connect, and/or create channel	1473	# of acres of wetland affected by treatment	17.8	311
		55	Upland erosion and sedimentation control	1405	# of wetland acres treated	0	0
		180	Enhance flood plain	1405	# of wetland acres treated	0	0
TOTAL: Council's Habitat Improvement indicator #1 (# of wetland acres treated)			Summation WE30, WE55, WE180	# of wetland acres treated	17.8	311	
Improvement	Habitat Improvement	55	Upland erosion and sedimentation control	1404	# of upland acres treated	3,811.40	823.1
		181	Create, restore and/or enhance wetland	1404	# of upland acres treated	0	0
TOTAL: Council's Habitat Improvement indicator #2 (# of upland acres treated)			Summation WE1404	# of upland acres treated	3,811.40	823.40	
Improvement	Habitat Improvement	180	Enhance flood plain	1403	# of riparian acres treated	177.2	48
		181	Create, restore and/or enhance wetland	1403	# of riparian acres treated	769	940
		30	Realign, connect and/or create channel	1403	# of riparian acres treated	Not yet available	Not yet available
TOTAL: Council's Habitat Improvement indicator #3 (# of riparian acres treated)			Summation WE180, WE181, WE30	# of riparian acres treated	946.2	988	

Implementation Indicator Category	Work Element (WE) Category	WE ID	WE Name	WE Metric ID	WE Metric	2006 data	2007 data
Improvement	Habitat Improvement	29	Increase instream habitat complexity	1388	# of structures installed	929	1,349
		30	Realign, connect and/or create channel	1388	# of structures installed	0	0
TOTAL: Council's Habitat Improvement indicator #4 (# of structures installed)				Summation WE29, WE30	# of structures installed	929	1,349
Improvement	Habitat Improvement	29	Increase instream habitat complexity	1387	# of stream miles treated	1,525.88	29.03
TOTAL: Council's Habitat Improvement indicator #5 (# of stream miles treated)				Summation WE29	# of stream miles treated	1,525.88	29.03
Improvement	Habitat Improvement	30	Realign, connect and/or create channel	1476	stream miles created	30.5	18
		30	Realign, connect and/or create channel	1477	stream miles created		
TOTAL: Council's Habitat Improvement indicator #6 (stream miles created)				Summation WE30	stream miles created	30.5	18
Improvement	Habitat Improvement	40	Install Fence (for fish)	1401	fence miles treated in a riparian area	46.81	89.58
TOTAL: Council's Habitat Improvement indicator #7 (fence miles treated in a riparian area)				Summation WE40	fence miles treated in a riparian area	46.81	89.58