

Federal Economic Stimulus “American Recovery & Reinvestment Plan” / WA Dept of Ecology Priorities



Program	Project	Description	Amount Requested	Construction Start	Jobs Created
National Park Service Environmental Protection Agency Watershed Rehabilitation	Elwha Habitat Restoration Contact: Stephen Bernath, 360/407-6459, sber461@ecv.wa.gov	Part of a larger federal project to remove dams from the Elwha River and restore fish runs. Builds wastewater collection and transportation system for homes in a flood plain, a tribal fish hatchery, a fish propagation facility and a bridge to replace culverts on Stratton Creek. Raises two levees to protect private property and provides water quality protection for Nippon Mill. 724 jobs. *Jobs estimated at 14 jobs/\$1 million construction costs.	\$51,708,000	Immediate	724
	U. S. Forest Service Legacy Roads and Trails	Washington State Forest Service Roads Contact: Stephen Bernath, 360/407-6459, sber461@ecv.wa.gov	Includes road decommissioning, fish passage, road/trail maintenance & repair, and storm proofing of U.S. Forest Service Roads in Washington State. 108 jobs. *Jobs estimated at 12 jobs/\$1 million construction costs.	\$9,000,000	Immediate
U. S. Dept of Energy Department of Defense Nuclear Waste Cleanup	Hanford Groundwater Cleanup and Contaminated Sites Contact: Jane Hedges, 509/372-7905 jhed461@dcv.wa.gov	Accelerates the US Department of Energy cleanup of 80 square miles of contaminated groundwater and reducing the surface contaminated and security restricted areas from 500 square miles to 20 square miles at the Hanford Nuclear Site. The combined packages would complete cleanup of Hanford’s Columbia River corridor by 2015. The accelerated work would result in hiring of significant cleanup personnel by USDOE and its contractors. \$1,410,000,000 / 2,975 jobs. US DOE job estimates.			
		1/ Stop contaminants from Entering the Columbia River	\$70,000,000		575
		2/ Accelerate River Corridor Completion / Jobs included above	\$70,000,000	April 2009	-
		3/ Complete Decontamination and Demolition (D&D) of PFP / Jobs above	\$140,000,000	Immediate	-
		4/ Complete Transuranic Waste Retrieval in Hanford 200 Area	\$215,000,000	Immediate	400
		5/ Hanford Central Plateau Groundwater and Soils Cleanup	\$410,000,000	Immediate	800
		6/ Hanford Tank Retrieval Upgrades and Modeling	\$110,000,000	July 2009	300
		7/ Hanford K Area Cleanup	\$200,000,000	Immediate	450
		8/ Hanford Burial Ground Remediation	\$45,000,000	July 2009	450
		9/ Consolidate Infrastructure to 20 square miles	\$150,000,000	Immediate	-
Bureau of Reclamation Water Reuse/ Recycling	Columbia and Yakima River Water Projects/ Dept of Ecology / Water Resource Program Contact: Dave Burdick, 360/407-6094, dbur461@ecv.wa.gov	Constructs or installs modern water supply and irrigation systems, upgrades fish passage and repairs or replaces failing conveyance systems in seven eastern Washington counties saving water to support economic growth and improve stream flows. \$77,888,230 / 978 Jobs			

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		1/ NSID Modernization Reservoir & Improvement Plan	\$30,780,000	Spring 2009	388
		2/ Selah Moxee Irrigation District Conservation Project /Yakima Co	\$28,000,000	Spring 2009	353
		3/ Barker Ranch, Ltd. / West Richland	\$5,600,000	March 2009	71
		4/ City of Yakima	\$1,263,230	Immediate	16
		5/ Manastash Creek Restoration Project - Reed Ditch Pipeline	\$2,900,000	Spring 2009	32
		6/ MVID Piping Project /Okanogan Co	\$1,500,000	Spring 2009	19
		7/ Beehive Irrigation District Wenatchee	\$900,000	May 2009	11
		8/ Stemilt Project Reservoir Fill Ditch Rehabilitation / Wenatchee	\$300,000	Spring 2009	4
		9/ Squilchuck Highline Ditch Assn Conveyance Pipe Repair / Wenatchee	\$895,000	Spring 2009	11
		10/ Greene Pointe Farms, Installation of a Center-pivot Irrigation System /Othello area	\$4,600,000	Fall 2009	58
		11/ Franklin/Grant County Conservation Dist. Irrigation System / Franklin& Grant	\$1,000,000	Late 2009	13
		12/ Orchard Sprinkler Conversions / Franklin, Grant and Adams Counties	\$150,000	Fall 2009	2
Environmental Protection Agency	State Revolving Fund Dept of Ecology / Water Quality Program Clean Water Revolving Fund Contact: Steve Carley, 360/407-6572, stca461@ecv.wa.gov	Builds, upgrades and repairs wastewater, reclaimed water and storm water facilities statewide. Using existing water quality loan and grant program, provides additional funding to meet \$270 million of identified high priority needs statewide. Additional projects that are ready to proceed may be considered beyond existing list. <i>Includes consideration of Spokane Phosphorus Reduction Project.</i> \$70,000,000 / 840 Jobs estimated at 12 jobs/\$1 million construction costs. The list of projects can be viewed at http://www.ecy.wa.gov/biblio/0910014.html			
Environmental Protection Agency	Soil Safety Program / Dept of Ecology / Toxic Cleanup Program Brownfield/ Toxic Cleanup Program Contact: Joe Crossland, 360/407-7219, jcro461@ecv.wa.gov	Cleanup of contaminated soils at schools and day cares statewide. Creates construction jobs during summer 2009. \$2,550,000 / 129 Jobs (some jobs of short duration).			
		Manson HS /Chelan	\$200,000	Summer 2009	11
		Pioneer MS Chelan	\$450,000	Summer 2009	26
		Wenatchee HS Chelan	\$300,000	Summer 2009	17
		Eisenhower HS	\$600,000	Summer 2009	34

Program	Project	Description	Amount Requested	Construction Start	Jobs Created
		Garfield ES	\$150,000	Summer 2009	9
		McKinley ES	\$300,000	Summer 2009	14
		West Valley ES	\$550,000	Summer 2009	18
	Orphaned & Abandoned Site Cleanup Projects	Cleanup of various contaminated sites in Kitsap, Grays Harbor, Clark and Walla Walla counties. Once the cleanup is completed, these sites can be redeveloped. Creates Engineering and construction jobs statewide beginning in summer 2009. \$8,510,000 / 103 jobs . *jobs estimated at 12 jobs/\$1 million construction costs.			
	Dept of Ecology / Toxic Cleanup Program				
	Contact: Joe Crossland, 360/407-7219, jcro461@ecv.wa.gov				
		Country Junction Store Kitsap	\$1,625,000	Summer 2009	20*
		Spokane River Beach Cleanups Spokane County	\$1,125,000	Summer 2009	14
		Pederson Property Site Grays Harbor	\$1,125,000	Summer 2009	14
		Most Western Laundry Grays Harbor	\$1,200,000	Summer 2009	14
		Park Laundry Clark	\$750,000	Summer 2009	9
		Schwerin Concaves Walla Walla	\$1,185,000	Immediate	14
		Hungry Whale Site Grays Harbor	\$1,500,000	Summer 2009	18
	Leaking Under Ground Storage Tanks	Cleanup of various contaminated soils resulting from leaking underground storage tanks statewide. Creates construction jobs statewide summer / fall 2009. \$19,000,000 / 228 jobs . *jobs estimated at 12 jobs/\$1 million construction costs.			
	Dept of Ecology / Toxic Cleanup Program				
	Contact: Joe Crossland, 360/407-7219, jcro461@ecv.wa.gov				
		Tiki Car Wash / King	\$3,000,000	Summer 2009	36*
		Cornet Bay Marina / Island	\$5,000,000	Summer 2009	60
		Hansville General Store / Kitsap	\$2,000,000	Fall 2009	24
		Circle K Station # 1461 / King	\$2,000,000	Summer 2009	24

Program	Project	Description	Amount Requested	Construction Start	Jobs Created
		BP Oil Station # 11352 / King	\$1,000,000	Fall 2009	12
		Bethel former Texaco Site / Kitsap	\$1,000,000	Fall 2009	12
		Truck City Truck Stop / Skagit	\$5,000,000	Fall 2009	60
Environmental Protection Agency	Flood Control Projects	Eleven projects statewide to restore habitat, stabilize levees, and repair or replace existing flood prevention structures. These projects provide critical life safety and property protection and restore habitat that provides other environmental benefits. Every dollar invested in flood prevention saves four dollars in flood damage. \$10,698,000 / 100 jobs.			
Watershed & Flood Prevention Program	Dept of Ecology / SEA Program Contact: Rob Spath, 360/407-6936, rspa61@ecv.wa.gov				
		Canyon A Stormwater Dam / Douglas	\$2,075,000	Within 90 days	27
		Yakima R. Levee Stabilization - below TH bridge Yakima Co	\$103,000	March 2009	3
		Canyon Creek flood detention / Pierce	\$750,000	April 2009	19
		Coppei Creek Flood Control / Waitsburg	\$232,000	Within 90 days	3
		Sediment Control to Control Urban Flooding in City Core / Kalama	\$85,000	April 2009	1
		Clover Creek Restoration - Parkland Prairie & Wildlife Preserve / Pierce	\$28,000	June 2009	.3
		Chico Cr. Floodplain Restoration Project / Kitsap	\$325,000	June 2009	5
		West Ellensburg Levee Relocation and Flood Control Project / Ellensburg	\$800,000	May 2009	10
		Puyallup River silt bench restoration / Pierce	\$500,000	May 2009	6
		Clover Creek floodplain restoration / Pierce	\$800,000	June 2009	11
		Padden Creek daylight/ restoration / Whatcom County	\$5,000,000	June 2009	15
Environmental Protection Agency	Diesel Emission Reduction Program	Using contract and grant processes already in place, retrofits heavy-duty truck and port equipment and installs anti-idling technologies in targeted sectors to reduce harmful diesel emissions. Creates or maintains jobs and generates approximately \$36 million in additional economic activity. \$12,000,000 / 228 jobs. Jobs based on industry average.			
Diesel Emissions Reduction Act	Dept of Ecology / Air Quality Program Contact: Paige Boule, 360/407-6646, pbou461@ecv.wa.gov				

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U.S. Energy Efficiency Programs	Tacoma Wastewater Treatment Plant Energy Production Dept of Ecology / Solid Waste Program Contact: Lorie Hewitt, 360/407-6071, lhew461@ecv.wa.gov	Builds facilities for handling food waste, and generators and/or gas scrubbers for converting the methane to useful energy or fuel. Create renewable, green energy and fuel from anaerobic digestion of biosolids and food wastes, and reduce greenhouse gases from flaring of methane and landfill disposal of food waste. Anaerobic digesters already exist at the facility. \$7,000,000 / 20 jobs.	\$7,000,000	Immediate	20
	Solar Installation Grant Program / Public Buildings	Using existing grant program expands application of on-site energy generation and reduces energy use for public buildings statewide to achieve climate change goals. Various projects statewide. \$2,000,000 / 100 jobs	\$2,000,000	March 2009	100
	Green Roofs / Green Buildings Dept Ecology / Solid Waste Program & Dept of GA Contact: Lorie Hewitt, 360/407-6071, lhew461@ecv.wa.gov	Funds will go toward the installation of green roof systems on at least two public buildings over 50,000SF. Green roof systems provide natural building insulation (reducing a building’s energy needs), reduce the volume of stormwater run-off, and help reduce heat island effect (a contributor to climate change). \$5,000,000 / 60 jobs. Jobs estimated at 12 jobs / \$1 million in construction costs.	\$5,000,000	March 2009	60
State Energy Program	Energy Efficiency Grants and Loans for Institutions Dept Ecology / Solid Waste Program Contact: Lorie Hewitt, 360/407-6071, lhew461@ecv.wa.gov	Ecology’s Beyond Waste Plan has been a core planning and implementation tool for waste resource recovery in Washington. State agencies have been working together for several years to achieve common renewable energy goals. Ecology recognizes the need for the Washington State Energy Program support to further the objectives of recovering valuable fuel, energy nutrients and carbon sequestration to meet Beyond Waste goals.			
	High Solids Anaerobic Digestion (HSAD) of Food, Industrial and Green Waste – Washington State University Pilot project. Ecology research dollars have supported the background literature review, applied digestion research, engineering model development and optimized preliminary design of an HSAD system at Washington State University. A pilot scale facility would be located at a new Eco-Industrial Park in Lincoln County with access to biomass resources for testing on location.	\$1,800,000	Summer 2009	10	
	Biomass to Biofuels and Carbon Sequestration - Washington State University Thermo-chemical Laboratory. Ecology research dollars have supported the development of thermo-chemical research towards the recovery of fuels and carbon sequestration from Washington Biomass. Progress is stalled by the lack of adequate laboratory space and equipment.	\$900,000	Summer 2009	10	

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		Cellulosic Ethanol from Wood Waste - University of Washington Steam Explosion Laboratory. Ecology research dollars have supported the development of steam explosion technology to facilitate efficient recovery of cellulosic Ethanol from wood waste.	\$1,100,000	Summer 2009	15
State Energy Program	<p>Energy Efficiency and Renewable Energy Research Development, Demonstration and Deployment</p> <p>Dept of Ecology / Solid Waste Program</p> <p>Contact: Lorie Hewitt, 360/407-6071, lhew461@ecv.wa.gov</p>	Full scale downdraft gasifier at Port of Benton – “Eco Park” / In 2006, Port of Benton collaborated with FruitSmart®, The Center for Strategic Alliance, Pacific Northwest National Laboratory, and REL Associates on the Clean Energy & Environment Project. The project resulted in a successful pilot run of a downdraft gasifier that created clean heat from regional biomass, and charcoal pellets suitable for carbon sequestration projects.	\$500,000	Immediate	20
		Organics Waste to Resources “Beyond Waste” research and pilot demonstration projects. Ecology has supported the applied research projects from state funds that demonstrate the benefits of fuel and energy recovery from wastes while sequestering carbon and nutrients for improving soil productivity and protecting water from contaminants. This project would support the continued efforts in this area by Washington state scientists and economists. *25 student and technical jobs	\$900,000	Immediate	25*
Workforce Employment & Training Program	<p>Washington Energy Corps</p> <p>Dept of Ecology SEA Program</p> <p>Contact: Rob Spath, 360/407-6936, rspa61@ecv.wa.gov</p>	Building on the successful Washington Conservation Corps program, the Department of Ecology would hire and train young men and women in basic carpentry, construction, retrofitting techniques and other skills that promote green energy. Crews would be made available to upgrade and retrofit public buildings, low income housing, and other appropriate structures with energy efficient windows, solar panels, weatherizing, and other energy saving measures. Energy Corps members could also be instrumental in the installation of “Battery Stations” throughout Washington State that will be required with the emergence of improved electric automobile technology. Ultimately, crew members will be certified in Green Technologies and able to be hired into family wage positions or able to create their own companies to perform similar duties for the private sector.			
Department of Defense	<p>Swift Creek – Asbestos Interim Action</p> <p>Dept of Ecology / Toxic Cleanup Program</p> <p>Contact: Pete Kmet, 360/407-7199, pkme461@ecv.wa.gov</p>	A landslide on Sumas Mountain deposits sediment containing naturally-occurring asbestos into Swift Creek, a tributary to the Sumas River. Heavy rains also caused a major shift in the landslide. About 50,000 cubic yards of sediment washed into Swift Creek – reportedly the largest deposit in a single event since 1971. Recent flooding along the Sumas River deposited asbestos-containing sediment on roads, driveways, yards and pastures south of Sumas. Property was affected for about six river miles along both banks. This project would contain the sediment while a long-term strategy is developed.	\$4,100,000	June 2009	20