## Graen Infrastructzure

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Business Case Required		Fencing to keep livestock out of streams and stream buffers	Fencing to keep livestock out of streams and stream buffers
Categorically Eligible   E	Publicly Owned:  Green streets  Permeable pavement  Bioretention  Trees  Green roofs  Constructed wetlands  Other practices that mimic natural hydrology to prevent wet weather flows  Equipment to maintain green streets  Vactor trucks  Other equipment  Street tree/urban forestry  Expansion of tree boxes  Stormwater harvesting/reuse  Cisterns  Distribution pipes  Downspout disconnection  Riparian buffers  Floodplains  Wetlands  Bioengineered streambank  Stream daylighting  Sustainable landscaping and site design	Green streets Permeable pavement Bioretention Trees Green roofs Constructed wetlands Other practices that mimic natural hydrology to prevent wet weather flows Equipment to maintain green streets Vactor trucks Other equipment Street tree/urban forestry Expansion of tree boxes Stormwater harvesting/reuse Cisterns Distribution pipes Downspout disconnection Riparian buffers Floodplains Wetlands Bioengineered streambank Stream daylighting Sustainable landscaping and site design Fee simple land purchase or easement	Green streets Permeable pavement Bioretention Trees Green roofs Constructed wetlands Other practices that mimic natural hydrology to prevent wet weather flows Equipment to maintain green streets Vactor trucks Other equipment Street tree/urban forestry Expansion of tree boxes Stormwater harvesting/reuse Cisterns Distribution pipes Downspout disconnection Riparian buffers Floodplains Wetlands Bioengineered streambank Stream daylighting Sustainable landscaping and site design Fee simple land purchase or easement
CWSRF GPR Ineligible	<ul> <li>Stormwater controls with impervious or semi-impervious liners with no evapotranspi ration or harvesting functions</li> <li>Stormwater ponds with extended detention and/or filtration</li> <li>Dirt-lined detention basins</li> <li>In-line or end-of-pipe treatment systems that only filter or detain stormwater</li> <li>Underground stormwater control</li> <li>Swirl concentrators</li> <li>Hydrodynamic separators</li> <li>Baffle systems for grit</li> <li>Trash/floatables removal</li> <li>Oil and grease</li> <li>Inflatable booms</li> <li>Dams for in-line underground storage and flow diversion</li> <li>Stormwater conveyance systems that are not soil/vegetation-based</li> <li>Pipes and concrete channels</li> <li>Hardening, channelizing or straightening streams and/or stream banks</li> <li>Street sweepers, sewer cleaners and vactor trucks (unless they support green infractructure projects)</li> </ul>	<ul> <li>Stormwater controls with impervious or semi-impervious liners with no evapotranspi ration or harvesting functions</li> <li>Stormwater ponds with extended detention and/or filtration</li> <li>Dirt-lined detention basins</li> <li>In-line or end-of-pipe treatment systems that only filter or detain stormwater</li> <li>Underground stormwater control</li> <li>Swirl concentrators</li> <li>Hydrodynamic separators</li> <li>Baffle systems for grit</li> <li>Trash/floatables removal</li> <li>Oil and grease</li> <li>Inflatable booms</li> <li>Dams for in-line underground storage and flow diversion</li> <li>Stormwater conveyance systems that are not soil/vegetation-based</li> <li>Pipes and concrete channels</li> <li>Hardening, channelizing or straightening streams and/or stream banks</li> <li>Street sweepers, sewer cleaners and vactor trucks (unless they support green infrastructure projects)</li> </ul>	<ul> <li>Stormwater controls with impervious or semi-impervious liners with no evapotranspi ration or harvesting functions</li> <li>Stormwater ponds with extended detention and/or filtration</li> <li>Dirt-lined detention basins</li> <li>In-line or end-of-pipe treatment systems that only filter or detain stormwater</li> <li>Underground stormwater control</li> <li>Swirl concentrators</li> <li>Hydrodynamic separators</li> <li>Baffle systems for grit</li> <li>Trash/floatables removal</li> <li>Oil and grease</li> <li>Inflatable booms</li> <li>Dams for in-line underground storage and flow diversion</li> <li>Stormwater conveyance systems that are not soil/vegetation-based</li> <li>Pipes and concrete channels</li> <li>Hardening, channelizing or straightening streams and/or stream banks</li> <li>Street sweepers, sewer cleaners and vactor trucks (unless they support green infrastructure projects)</li> </ul>

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Energy Enficiency

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Business Case Required	<ul> <li>Publicly Owned:</li> <li>POTW projects or unit process projects that achieve less than a 20% energy efficiency improvement</li> <li>(Non-categorical) projects implementing recommendations from an energy audit</li> <li>Projects that cost effectively eliminate pumps or pumping stations</li> <li>Infiltration/inflow correction projects that save energy</li> <li>I/I correction projects where excessive groundwater infiltration is requiring unnecessary treatment processes</li> <li>Replacing pre-Energy Policy Act of 1992 motors with NEMA premium efficiency motors</li> <li>Upgrade of POTW lighting to energy efficient sources</li> <li>Metal halide pulse start technologies</li> <li>Compact fluorescent</li> <li>Light emitting diode (LED)</li> <li>SCADA systems</li> <li>Variable Frequency Drives</li> </ul>	Projects that cost effectively eliminate pumps or pumping stations	<ul> <li>Treatment works projects or unit process projects that achieve less than a 20% energy efficiency improvement</li> <li>(Non-categorical) projects implementing recommendations from an energy audit</li> <li>Projects that cost effectively eliminate pumps or pumping stations</li> <li>Infiltration/inflow correction projects that save energy</li> <li>I/I correction projects where excessive groundwater infiltration is requiring unnecessary treatment processes</li> <li>Replacing pre-Energy Policy Act of 1992 motors with NEMA premium efficiency motors</li> <li>Upgrade of treatment works lighting to energy efficient sources</li> <li>Metal halide pulse start technologies</li> <li>Compact fluorescent</li> <li>Light emitting diode (LED)</li> <li>SCADA systems</li> <li>Variable Frequency Drives</li> </ul>
Categorically Eligible	Publicly Owned:  Renewable energy source for a POTW  Wind  Solar  Geothermal  Micro-hydroelectric  Biogas combined heat and power (CHP)  Projects that achieve 20% reduction in energy consumption  Collection system I/I detection equipment  POTW energy management planning (reasonably expected to result in a capital project)  Energy assessments  Energy audits  Optimization studies  Sub-metering individual processes	Projects that achieve 20% reduction in energy consumption	Renewable energy source for a treatment works  Wind  Solar  Geothermal  Micro-hydroelectric  Biogas combined heat and power (CHP)  Projects that achieve 20% reduction in energy consumption  Collection system I/I detection equipment  Treatment works energy management planning (reasonably expected to result in a capital project)  Energy assessments  Energy audits  Optimization studies  Sub-metering individual processes
CWSRF GPR Ineligible	<ul> <li>Privately owned renewable energy generation</li> <li>The portion of a publicly owned renewable energy facility that does not provide power to a POTW</li> <li>Simply replacing a piece of equipment that is at the end of its useful life with something of average efficiency</li> <li>Facultative lagoons</li> <li>Hydroelectric facilities</li> </ul>		<ul> <li>The portion of a renewable energy facility that does not provide power to a treatment works</li> <li>Simply replacing a piece of equipment that is at the end of its useful life with something of average efficiency</li> <li>Facultative lagoons</li> <li>Hydroelectric facilities</li> </ul>

Water Essigniciency						
Business Case Required	Publicly Owned:  Water meter replacement with traditional water meters  Projects that result from a water audit  Storage tank replacement/rehabilitation  New water efficient landscape irrigation	Projects that result from a water audit     New water efficient landscape irrigation     New water efficient agricultural irrigation	Water meter replacement with traditional water meters     Projects that result from a water audit     Storage tank replacement/rehabilitation     New water efficient landscape irrigation     New water efficient agricultural irrigation			
Categorically Eligible	Publicly Owned: Install or retrofit water efficient devices Plumbing fixtures Appliances Water conservation incentive programs Rebates Install water meters in previously unmetered areas (if rate structure is based on metered use) Backflow prevention devices (installed in conjunction with meter replacement) Replace broken water meters or upgrade existing meters with: Automatic meter reading systems Advanced metering infrastructure Smart meters Meters with built-in leak detection Backflow prevention devices (installed in conjunction with meter replacement) Retrofit existing meters to add AMR capability or leak detection equipment Water audit and water conservation plans Recycling and water reuse projects that replace potable sources with non-potable Gray water/condensate/wastewater effluent reuse systems Extra treatment costs and distribution pipes associated with water reuse Retrofit or replace landscape irrigation systems with more efficient systems Moisture and rain sensing controllers	<ul> <li>Water audit and water conservation plans</li> <li>Recycling and water reuse projects that replace potable sources with non-potable</li> <li>Gray water/condensate/wastewater effluent reuse systems</li> <li>Retrofit or replace landscape irrigation systems with more efficient systems</li> <li>Moisture and rain sensing controllers</li> <li>Replace or retrofit existing agricultural irrigation systems with more efficient systems</li> </ul>	<ul> <li>Install or retrofit water efficient devices</li> <li>Plumbing fixtures</li> <li>Appliances</li> <li>Water conservation incentive programs</li> <li>Rebates</li> <li>Install water meters in previously unmetered areas (if rate structure is based on metered use)</li> <li>Backflow prevention devices (installed in conjunction with meter replacement)</li> <li>Replace broken water meters or upgrade existing meters with: <ul> <li>Automatic meter reading systems</li> <li>Advanced metering infrastructure</li> <li>Smart meters</li> <li>Meters with built-in leak detection</li> <li>Backflow prevention devices (installed in conjunction with meter replacement)</li> </ul> </li> <li>Retrofit existing meters to add AMR capability or leak detection equipment</li> <li>Water audit and water conservation plans</li> <li>Recycling and water reuse projects that replace potable sources with non-potable</li> <li>Gray water/condensate/wastewater effluent reuse systems</li> <li>Extra treatment costs and distribution pipes associated with water reuse</li> <li>Retrofit or replace landscape irrigation systems with more efficient systems</li> <li>Moisture and rain sensing controllers</li> <li>Replace or retrofit existing agricultural irrigation systems with more efficient systems</li> </ul>			
CWSRF GPR Ineligible	Replacing drinking water distribution lines     Leak detection equipment for drinking water distribution systems (except reuse)	Agricultural flood irrigation     Lining of canals to reduce water loss	Agricultural flood irrigation     LIning of canals to reduce water loss     Replacing drinking water distribution lines     Leak detection equipment for drinking water distribution systems (except reuse)			