

American Reinvestment and Recovery Act of 2009 (ARRA)

Use of funds for Green Project Reserve (GPR)

American Reinvestment and Recovery Act of 2009 (ARRA)

- Goals
 - Create/Save Jobs
 - Build Infrastructure
 - Make the most of the opportunity for Green Projects

- Preference for projects ready to start construction within 120 days.

- All funds must be committed to projects under construction or having awarded contracts for construction by February 17, 2010.

ARRA Green Project Reserve (GPR)

Nationwide

Sources & Uses of Funds

CWSRF	\$ 4 billion
DWSRF	\$ 2 billion
Additional subsidy (Disadvantaged)	50%
GPR	20%

ARRA Green Project Reserve (GPR)

TWDB

Sources & Uses of Funds

	CWSRF	DWSRF	Total
EPA Grant	\$179,121,900	\$160,656,000	\$339,777,900
Loans	\$171,957,024	\$154,229,760	\$326,186,784
Disadvantaged	\$89,560,950	\$80,328,000	\$169,888,950
Mainstream	\$82,396,074	\$73,901,760	\$156,297,834
GPR	\$35,824,380	\$32,131,200	\$67,955,580

ARRA Green Project Reserve (GPR)

Categories of GPR

1. Energy Efficiency
2. Water Efficiency
3. Green (stormwater) Infrastructure
4. Innovated Environmental Projects

ARRA Green Project Reserve (GPR)

CWSRF

- **Energy Efficiency** – the use of improved technologies and practices to reduce the energy consumption of water quality projects
 - Wastewater utility energy audit
 - Retrofits and upgrades to pumps and treatment processes
 - Leak detection equipment for treatment works
 - Producing clean power for publicly owned wastewater treatment works
 - wind, solar, hydroelectric, geothermal, biogas powered combined heat and power systems

ARRA Green Project Reserve (GPR)

CWSRF

- **Water Efficiency** – the use of improved technologies and practices to deliver equal or better services with less water.
 - Water Meters
 - Fixture Retrofit
 - Landscape/Irrigation
 - Gray Water Recycling
 - Reclamation, recycling and reuse of rainwater, condensate, degraded water, stormwater and or wastewater streams
 - Collection system leak detection equipment

ARRA Green Project Reserve (GPR)

CWSRF

- **Green Infrastructure** - Practices that manage and treat stormwater and that maintain and restore natural hydrology by infiltrating, evapotranspiring and capturing and using stormwater.
 - Green streets
 - Water harvesting and reuse
 - Porous pavement, bioretention, trees, green roofs, water gardens, constructed wetlands
 - Hydromodification for riparian buffers, floodplains, wetlands
 - Downspout disconnection to remove stormwater from combined sewers and storm sewers

ARRA Green Project Reserve (GPR)

CWSRF

- **Environmentally Innovative Projects** - Demonstrate new/innovative approaches to managing water resources in a more sustainable way, including projects that achieve pollution prevention or pollutant removal with reduced costs and projects that foster adaptation of water protection programs and practices to climate change.
 - Wetland restoration
 - Decentralized wastewater treatment solutions
 - Water reuse
 - Green stormwater infrastructure
 - Water balance approaches
 - Adaptation to climate change
 - Integrated water resource management

ARRA Green Project Reserve (GPR)

DWSRF

- **Energy Efficiency** – the use of improved technologies and practices to reduce the energy consumption of water quality projects.
 - Energy Efficiency
 - Examples
 - On site renewable energy
 - Upgrades to pumps and other higher energy consuming assets
 - Leak detection

ARRA Green Project Reserve (GPR)

DWSRF

- **Water Efficiency** – the use of improved technologies and practices to deliver equal or better services with less water.
 - Water Meters, Meter Reading Equipment
 - Leak Detection Equipment
 - Water Efficient Fixtures

ARRA Green Project Reserve (GPR)

DWSRF

- **Green Infrastructure** - Practices that manage and treat stormwater and that maintain and restore natural hydrology by infiltrating, evapotranspiring and capturing and using stormwater.
 - On-site improvement to facilities, such as
 - Green Roofs
 - Porous Pavements
 - New ways to manage

ARRA Green Project Reserve (GPR)

DWSRF

- **Environmentally Innovative Projects** - Demonstrate new/innovative approaches to managing water resources in a more sustainable way, including projects that achieve pollution prevention or pollutant removal with reduced costs and projects that foster adaptation of water protection programs and practices to climate change.
 - Wetland restoration
 - Decentralized wastewater treatment solutions
 - Water reuse
 - Green stormwater infrastructure
 - Water balance approaches
 - Adaptation to climate change
 - Integrated water resource management

ARRA Green Project Reserve (GPR)

TWDB SRF ARRA

GPR Projects (Estimated)

Projects (approved by EPA)	Program	GPR Category
Mountain Peak SUD	DWSRF	
Mission	DWSRF	
La Feria	DWSRF	
Greenville	DWSRF	
Fort Worth	DWSRF	
Denton Co. FWSD #1A	DWSRF	
Central Texas WSC (3 projects)	DWSRF	
	DWSRF	

ARRA Green Project Reserve (GPR)

TWDB SRF ARRA

GPR Projects (Estimated)

Projects (awaiting EPA approval)	Program	GPR Category
Springs Hill WSC	DWSRF	
Milersview-Doole WSC	DWSRF	
Somerville	DWSRF	
Amarillo	DWSRF	
La Feria	DWSRF	
Altoga WSC	DWSRF	

ARRA Green Project Reserve (GPR)

TWDB SRF ARRA

GPR Projects (Estimated)

Projects (approved by EPA)	Program	GPR Category
Austin	CWSRF	
Harris Co MUD # 148	CWSRF	
Port Arthur	CWSRF	
El Paso	CWSRF	

ARRA Green Project Reserve (GPR)

TWDB SRF ARRA

GPR Projects (Estimated)

Projects (awaiting EPA approval)	Program	GPR Category
Valentine	CWSRF	
Munday	CWSRF	
Brownsville PUB	CWSRF	
McAllen	CWSRF	