

Downtown Street Lighting Project Options

Primary Goal: Improve downtown pedestrian environment through attractive street lighting. This means uniformly lit sidewalks with decorative fixtures.

Secondary Goal: Improved energy efficiency, improved safety (real and perceived).

Menu of Options	Number	Fixture Type	Pole Type	In Years/All lights				Annual/All Lights		Installation Cost*	Notes
				Lifespan	Maintenance 1 yr	Payback*	Warranty	Energy Cost*	Savings		
Existing	23	HPS/cobra	Standard	3.5	\$ 1,250	none		\$ 3,950	\$ -	\$ -	
LED Fixture Retro-Fit Only	23	LED/Philips	Standard	20	\$ -	5	5	\$ 3,224	\$ 725	\$ 12,420	includes \$100 rebate/light
LED Decorative Fixture/Pole Retro-Fit	23	LED*	Decorative	20	\$ -	23+	7	\$ 3,224	\$ 725	282, 138	includes \$100 rebate/light
Canopy Lighting Pine/Side Streets*	80	LED/Recessed	none	10	\$ 280	none	?	\$ 128	\$ 1,296	\$ 18,600	energy cost paid by property owner on AVERAGE \$6.40/owner/yr energy savings per owner \$21.60/yr, actual cost vary by presence of lights and length of canopy
Decorative Ped <i>"Uniform"</i> * Pine St	30	LED/prairie	Timberwood	15	\$ -	none	7	\$ 352	\$ -	\$ 324,180	
Decorative Ped <i>"Uniform"</i> Side Sts	71	LED/prairie	Timberwood	15	\$ -	none	7	\$ 834	\$ -	501, 686	
Decorative Ped <i>"As needed"</i> * Pine St	27	LED/prairie	Timberwood	15	\$ -	none	7	\$ 317	\$ -	\$ 291,762	
Decorative Ped <i>"As needed"</i> Side Sts	223	LED/prairie	Timberwood	15	\$ -	none	7	\$ 2,618	\$ -	\$ 1,575,718	

*LED Highway fixture would be picked to match the Prairie Fixture

* Payback only applies to retro-fits, payback cannot be calculated when adding new infrastructure only when comparing old to new

* Energy Cost= RMP currently has no LED rate structure, one would have to be negotiated

*Canopy Options assumes Town pays for fixture and installation, property owner pays energy cost

Maintenance for LED, is \$0 unless a pole is hit by a vehicle etc. the maintenance cost would be the pole/fixture replacement

*Uniform** refers to lights poles being symmetrically placed, on side streets this would only be at the corners where the conduit is at the ground surface

*As needed** refers to light poles being placed as needed to create consistent lighting

Installation cost includes fixture, pole, and construction

Highway LED 100 watts, Canopy LED 40 watts, Decorative LED 66 watts

Downtown Street Lighting Project Packages

Primary Goal: Improve downtown pedestrian environment through attractive street lighting. This means uniformly lit sidewalks with decorative fixtures.

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Package Description	Cobra-Head Retro-fit		Decorative Pedestrian Scaled Lights				Annual Maintenance	Annual Energy Cost	Installation	
	Fixture Only	Decorative	Canopy	Uniform Spacing		As Needed				
				Pine	Side Sts.	Pine				Side Sts.
#1 Retro & Canopy , not decorative, sidewalk lighting gaps on Pine b/w cobra's and canopies, side streets not lit except under canopies	\$ 12,420		\$ 18,600				\$ 280	\$ 3,352	\$ 31,020	
#2 Decorative Retro & Canopy , sidewalk lighting gaps on Pine b/w cobra's and canopies, side streets not lit except under canopies		\$ 282,138	\$ 18,600				\$ 280	\$ 3,352	\$ 300,738	
#3 Retro, Canopy, & Uniform Pine , Pine fully lit, side streets not lit except under canopies	\$ 12,420		\$ 18,600	\$ 324,180			\$ 280	\$ 3,704	\$ 355,200	
#4 Decorative Retro, Canopy, & Uniform Pine , Pine fully lit and decorative, side streets not lit except under canopies		\$ 282,138	\$ 18,600	\$ 324,180			\$ 280	\$ 3,704	\$ 624,918	
#5 Decorative Retro, Canopy, Uniform Pine & side streets , Pine fully lit and decorative, side streets partially lit, gaps b/w canopies and corner lights		\$ 282,138	\$ 18,600	\$ 324,180	\$ 501,686		\$ 280	\$ 4,538	\$ 1,126,604	
#6 Decorative Retro, Canopy, As Needed Pine , Pine fully lit and decorative, side streets not lit except under canopies		\$ 282,138	\$ 18,600			\$ 291,762	\$ 280	\$ 3,669	\$ 592,500	
#7 Decorative Retro, Canopy, As Needed Pine & side streets , Pine fully lit and decorative, side streets fully lit and decorative		\$ 282,138	\$ 18,600			\$ 291,762	\$ 1,575,718	\$ 6,287	\$ 2,168,218	

*Side street estimates include ALL side streets in Downtown. However lights would not be installed on Bridger, Sublette, Magnolia, N Fremont, or S Lake until their infrastructure projects were completed

Example Phasing Plan

Phase 1: Current 13-14 Town of Pinedale Budget

11 Teal Grant	Town Match	Engineering	Installation	
\$ 228,000	\$ 240,000	\$ (71,200)	\$ 396,800	
		Packages		Leftover
		#1	\$ 31,020	\$ 365,780
		#2	\$ 300,738	\$ 96,062
		#3	\$ 355,200	\$ 41,600
		#4	\$ 624,918	\$ (228,118)
		#5	\$ 1,126,604	\$ (729,804)
		#6	\$ 592,500	\$ (195,700)
		#7	\$ 2,168,218	\$ (1,771,418)

Phase 2: Proposed 14-15 Town of Pinedale Budget

TAP Grant max	BRC Grant max	TOP	Installation		
\$ 350,000	\$ 500,000	\$ -	\$ 850,000		
		Packages		Grant Amount	Leftover
		#4	\$ (228,118)	\$ 228,118	
		#5	\$ (729,804)	\$ 729,804	
		#6	\$ (195,700)	\$ 195,700	
		#7	\$ (1,771,418)	\$ 850,000	\$ (921,418)

Phase 3: Proposed 15-16 Town of Pinedale Budget

TAP Grant max	BRC Grant max	TOP Match	Installation		
\$ 350,000	\$ 500,000	\$ 320,000	\$ 850,000		
		Packages		Grant Amount	Town
		#7	\$ (921,418)	\$ 850,000	\$ (71,418)

*TAP (Wyoming Dept. of Transportation, Transportation Alternatives Program, formerly TEAL) requires 20% local match, we can use funds already utilized for project for match so no additional funds would need to be allocated from Town in Phase 2, a match would be required for Phase 3

*BRC (Wyoming Business Council, Business Ready Community Enhancement Grant) requires 50% local match, we may be able to leverage funds already spent for the project

