

Picuris Pueblo 1MW Community-Scale Solar Array



Indian Energy

Ten percent of the energy resources in the United States are located on Indian lands, which together occupy land areas the size of Texas (5% of US land area).

Historically, these resources have been exploited for non-Indian use, with Indians receiving only a portion of their potential benefit.

Indian Energy

Advantages:

- RoW (Policy Act 2005 - Section 1813)
- Government / Business
- Funding
- Utility Formation
- Sovereignty / Regulation

Indian Energy

While developers have built 686 utility-scale wind farms and 787 utility-scale solar arrays on non-tribal lands since 2004, only one significant wind project is generating power from tribal lands. (Another tribal wind farm and a solar project are now under construction).



The 25MW
Kumeyaay Wind
Farm
At Campo
Reservation

- Joshua Zaffos, High Country News, July 3, 2015; Paonia, Colorado

Indian Energy

Barriers:

- Internal Politics
- Energy Pricing / Investment
- Complex Project Options
 - Funding, Tax Incentives
 - PPA/Interconnect
 - Regulations/BIA/Permitting/
(HEARTH Act)

Indian Energy

Picuris Project:

- Kit Carson

\$.09 PPA/ Interconnect

Tribal Energy Plan – Political Support

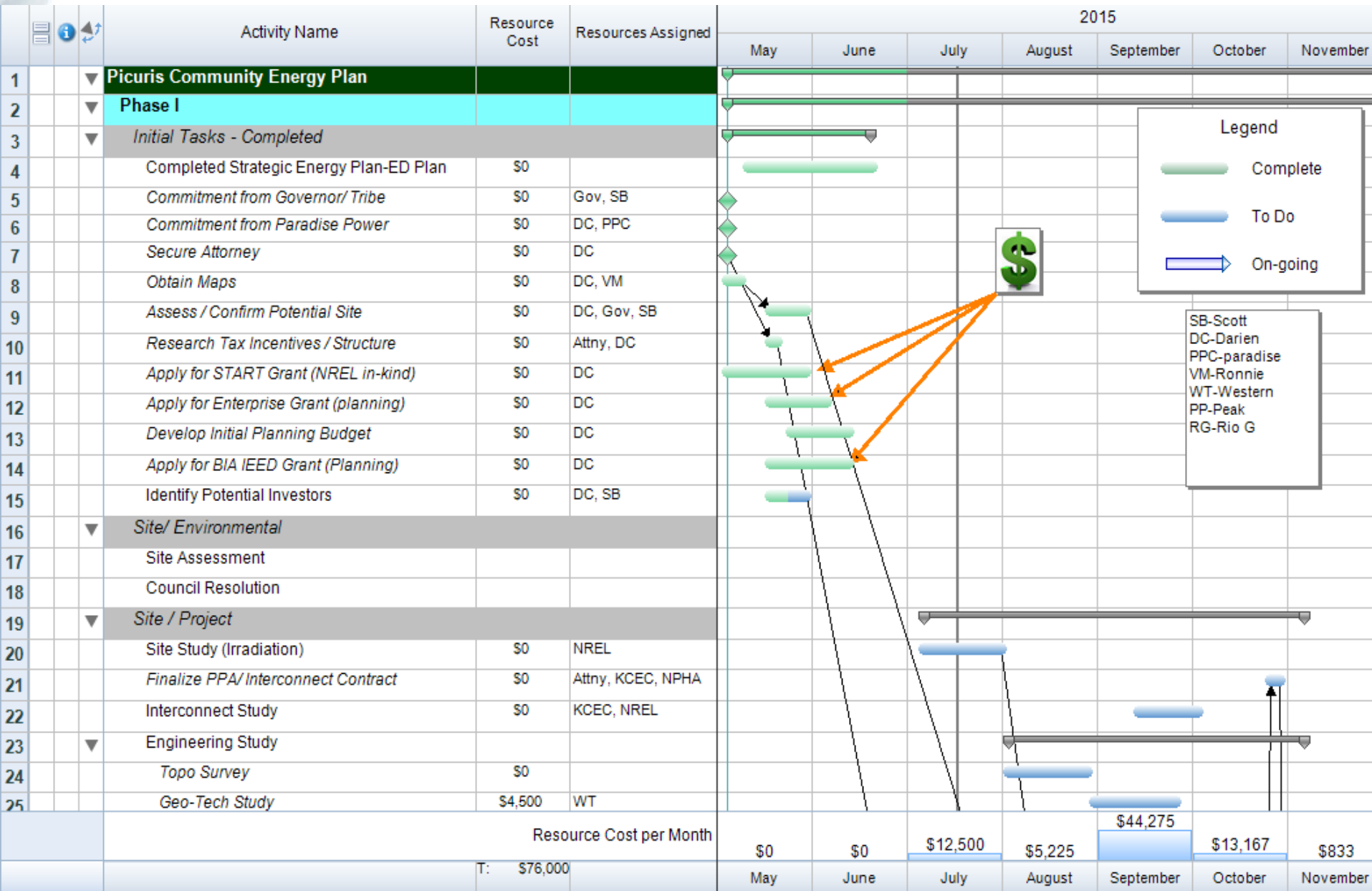
ITC – PLR – Equity Capital

Site

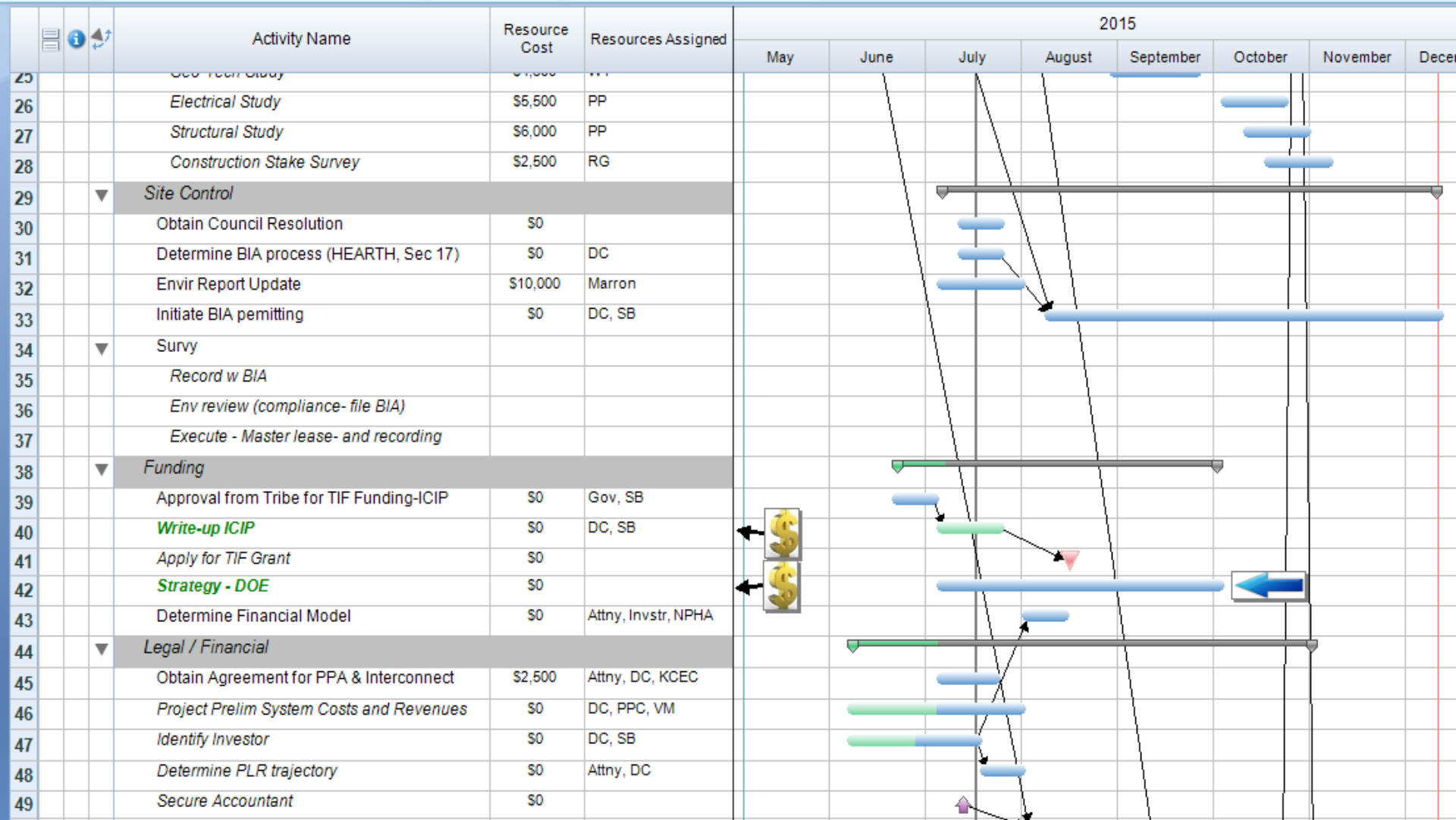
EPC

NPHA

Northern Pueblos Housing Authority



Northern Pueblos Housing Authority



Northern Pueblos Housing Authority

Cash Flows:							
	Funding	DOE	750,000				
		TIF	750,000				
		Investor	1,000,000				
						Total annual power production estimate	
						2,390,000 kWh	
	Cash inflows			2,500,000			
	Capital Cost		2,250,000				
	Development Costs		250,000				
				2,500,000			
							2
Investor-Master Tenant LLC			Project cash flows:			Lease Payments to Tribe:	
	Initial Investment			-1,000,000			
	ITC		675,000	1,182,600	year 1		857,600
	Depreciation	see sched		723,600	year 2		398,600
	Sale of Power		215,100	493,200	year 3		168,200
				354,960	year 4		29,960
				354,960	year 5		29,960
						Ttl tribe pymnts:	\$1,484,320
			Project Return:	82.02%			
						Continuing annual payments to Tribe:	
							215,100

Northern Pueblos Housing Authority

		Total annual power production estimate;					
			2,390,000				
Price paid for power:							
	Paid	0.090					
	REC	0.000					
	Ttl paid:		\$0.090				
Annual proceeds from power sale			\$215,100				
			0.2				less 10% taxable (30% tax bracket)
Investor Return:							
		-1,000,000			Deprecition MACRS		
		325000			1,800,000	1	
		325000		0.2	360,000		67,500 292,500
		325000		0.32	576,000		67,500 508,500
		325000		0.192	345,600		67,500 278,100
		325000		0.1152	207,360		67,500 139,860
				0.1152	207,360		67,500 139,860
				0.0576	103,680		67,500 36,180
Investor return		19%		1			
Ttl investor pymnts:							
		1,625,000					