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A. Required Inputs

Required Information

Provided by Applicant

Facility location (Nevada county)

Description of facility:

Energy type

Development cost estimates:

Total investment

Underlying land value

Construction labor cost as percent of total investment

Construction employees (person-years)

Percentage of construction employees that are county residents

Percentage of non-labor cost of investment to be retained in-county

Construction period (years)

Average annual wages per construction employee

Operating data estimates:

Number of employees expected to be required to operate facility Percentage of operating employees that will be county residents Budgeted annual salaries and wages for ongoing operations Ongoing annual taxable maintenance expenses (e.g., supplies)

Capital contributions made by developer (e.g., roads, parks, etc. built by applicant on behalf of the county)

Provided by County Officials

Total one-time expenses related to development and/or construction of project Estimated annual ongoing expenses

No

Inputs

Esmeralda

Biomass

\$20,000,000
\$1,000,000
20%
100
60%
20%
1
\$60,000

20
80%
\$1,000,000
\$200,000

\$100,000

\$1,000,000 \$100,000 New sales tax abatement rates are effective July 1, 2015. Based on known application/project time, use new rates?

Guidance/Special Instructions

Click on cell to access list of choices in dropdown box

Click on cell to access list of choices in dropdown box

Enter as dollar amount (e.g., \$20,000,000)

Enter as dollar amount (e.g., \$1,000,000)

Ensure input appears as percentage (e.g., 20%)

Enter as person-years, that is, one person employed for one year (e.g., 100 equals 100 people employed for 1 year, or 50 people employed for 2 years)

Ensure input appears as percentage (e.g., 60%)

Ensure input appears as percentage (e.g., 20%)

Enter as a whole year (round up) (e.g., 1 for one-year, 2 for two-year)

Enter as dollar amount (e.g., \$60,000)

Enter as employee count (e.g., 20) Enter as percentage (e.g., 80%) Enter as dollar amount (e.g., \$1,000,000) Enter as dollar amount (e.g., \$200,000)

Enter as dollar amount (e.g., \$100,000)

Enter as dollar amount (e.g., \$1,000,000) Enter as dollar amount (e.g., \$100,000)

B. Concluding Analyses

Section 4 of AB 239 allows the board of county commissioners in a Nevada county to deny a request for incentives if either of the following two conditions is found to be true based on relevant information:

1. Will the projected cost of the services that the local government is required to provide to the facility exceed the amount of tax revenue that the local government is projected to receive as a result of the abatement?	YES	If yes, grounds for denial of application may exist.
OR		
2. Will the projected financial benefits that will result to the county from the employment by the facility of the residents of the state of Nevada and from capital investments by the facility in the county not exceed the projected loss of tax revenue that will result from the abatement?	NO	If yes, grounds for denial of application may exist.
	No	Optional: Include indirect and induced impacts for purposes of Q2?
oncluding Analysis #1 Supporting Detail:		
Projected cost of services that the local government is required to provide to the facility (20 year horizon):		
\$3,000,000		
Amount of tax revenue that the local government will receive as a result of the abatement (20 year horizon): \$1,799,471		
Cost of services minus tax revenue over 20 year horizon:		
\$1,200,529 Projected cost of services net of tax revenue received from project (should be negative number	er for approv	ral)
oncluding Analysis #2 Supporting Detail:		
Projected financial benefits resulting from the employment of county residents and capital investments by the	facility (20 y	year horizon):
\$7,200,000 \$9,079,091 Including indirect and induced impacts of in-county resident labor		
Projected loss of tax revenue resulting from the abatement:		
\$2,015,654 Financial benefit minus loss of tax revenue (20 year horizon):		
\$5,184,346 \$7,063,438 Including indirect and induced impacts of in-county resident labor		
\$7,003,438 Including indirect and induced impacts of in-county resident labor		
\$5,184,346 Result of chosen method		
Add financial benefit to county of capital contributions made by developer on behalf of county:		
\$5,284,346 Total financial benefits (should be positive number for approval)		

Nevada Assembly Bill 239 (AB 239) Cost-Benefit Model C. Pro Forma Financial Statement (Selected items)

		Year 1
Investment/expenses Initial investment Taxable one-time purchases (construction expenses subject to sales tax) Land cost Ongoing annual maintenance (taxable)	\$ \$ \$ \$	(20,000,000) 16,000,000 (1,000,000)
Labor expense Labor expense retained in-state	\$ \$	- -
Asset values Land (non-depreciable) Improvement value at cost (full materials value assigned beginning in Year 2 regardless of construction length) Depreciated value Assessed value	\$ \$ \$	1,000,000 - 350,000
Property taxes Property tax rate County components Property taxes (no abatements) Abated property tax Amount of property tax paid after abatement applied County - amount owed (no abatements) County - amount abated County - amount collected	\$ \$ \$ \$ \$	3.0195 2.8495 10,568 5,813 4,756 9,973 5,485 4,488
Sales taxes Sales tax rate County components Abated rate Sales taxes (no abatements) Abated sales tax Amount of sales tax paid after abatement applied County - amount owed (no abatements) County - amount abated County - amount collected	\$ \$ \$ \$ \$ \$	6.85% 4.85% 2.60% 1,096,000 680,000 416,000 776,000 360,000 416,000

	Year 2		Year 3		Year 4		Year 5		Year 6
									_
\$	200,000	\$	200,000	\$	200,000	\$	200,000	\$	200,000
\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000
\$	1,000,000	\$	1,000,000	\$	1,000,000	\$	1,000,000	\$	1,000,000
\$ \$ \$	16,000,000 16,000,000 5,950,000	\$ \$ \$	16,000,000 15,760,000 5,866,000	\$ \$ \$	16,000,000 15,523,600 5,783,260	\$ \$ \$	16,000,000 15,290,746 5,701,761	\$ \$ \$	16,000,000 15,061,385 5,621,485
\$ \$ \$ \$ \$ \$ \$	179,660 98,813 80,847 169,545 93,250 76,295	\$ \$ \$ \$ \$ \$ \$	177,124 97,418 79,706 167,152 91,933 75,218	\$ \$ \$ \$ \$ \$	174,626 96,044 78,581 164,794 90,637 74,157	\$ \$ \$ \$ \$ \$ \$	172,165 94,691 77,474 162,472 89,359 73,112	\$ \$ \$ \$ \$ \$ \$	169,741 93,357 76,383 160,184 88,101 72,083
\$ \$ \$ \$ \$	13,700 8,500 5,200 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 8,500 5,200 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200

	Year 7		Year 8		Year 9		Year 10		Year 11		Year 12
\$	200,000	\$	200,000	\$	200,000	\$	200,000	\$	200,000	\$	200,000
\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000
\$	1,000,000	\$	1,000,000	\$	1,000,000	\$	1,000,000	\$	1,000,000	\$	1,000,000
\$ \$ \$	16,000,000 14,835,464 5,542,412	\$ \$ \$	16,000,000 14,612,932 5,464,526	\$ \$ \$	16,000,000 14,393,738 5,387,808	\$ \$ \$	16,000,000 14,177,832 5,312,241	\$ \$ \$	16,000,000 13,965,165 5,237,808	\$ \$ \$	16,000,000 13,755,687 5,164,490
\$ \$ \$ \$ \$ \$ \$	167,353 92,044 75,309 157,931 86,862 71,069	\$ \$ \$ \$ \$	165,001 90,751 74,251 155,712 85,641 70,070	\$ \$ \$ \$ \$	162,685 89,477 73,208 153,526 84,439 69,087	\$ \$ \$ \$ \$	160,403 88,222 72,181 151,372 83,255 68,118	\$ \$ \$ \$ \$	158,156 86,986 71,170 149,251 82,088 67,163	\$ \$ \$ \$ \$	155,942 85,768 70,174 147,162 80,939 66,223
\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200								

	Year 13		Year 14		Year 15		Year 16		Year 17		Year 18
\$	200,000	\$	200,000	\$	200,000	\$	200,000	\$	200,000	\$	200,000
\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000
\$	1,000,000	\$	1,000,000	\$	1,000,000	\$	1,000,000	\$	1,000,000	\$	1,000,000
\$ \$ \$	16,000,000 13,549,352 5,092,273	\$ \$ \$	16,000,000 13,346,111 5,021,139	\$ \$ \$	16,000,000 13,145,920 4,951,072	\$ \$ \$	16,000,000 12,948,731 4,882,056	\$ \$ \$	16,000,000 12,754,500 4,814,075	\$ \$ \$	16,000,000 12,563,183 4,747,114
\$ \$ \$ \$ \$	153,761 84,569 69,193 145,104 79,807 65,297	\$ \$ \$ \$ \$	151,613 83,387 68,226 143,077 78,693 64,385	\$ \$ \$ \$ \$ \$ \$	149,498 82,224 67,274 141,081 77,594 63,486	\$ \$ \$ \$ \$	147,414 81,078 66,336 139,114 76,513 62,601	\$ \$ \$ \$ \$	145,361 79,949 65,412 137,177 75,447 61,730	\$ \$ \$ \$ \$	143,339 78,837 64,503 135,269 74,398 60,871
\$ \$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200

	Year 19		Year 20		Total
				\$ \$ \$	(20,000,000) 16,000,000 (1,000,000)
\$	200,000	\$	200,000	\$ ¢	3,800,000
\$ \$	1,000,000 800,000	\$ \$	1,000,000 800,000	\$ \$ \$ \$ \$	19,000,000 15,200,000 -
\$	1,000,000	\$	1,000,000	\$	20,000,000
\$ \$ \$	16,000,000 12,374,735 4,681,157	\$ \$ \$	16,000,000 12,189,114 4,616,190	\$ \$ \$	304,000,000 266,248,194 100,186,868
\$ \$ \$ \$ \$ \$	141,348 77,741 63,606 133,390 73,364 60,025	\$ \$ \$ \$ \$	139,386 76,662 62,724 131,538 72,346 59,192	\$ \$ \$ \$ \$	3,025,142 1,663,828 1,361,314 2,854,825 1,570,154 1,284,671
\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	13,700 - 13,700 9,700 4,500 5,200	\$ \$ \$ \$ \$	1,356,300 697,000 659,300 960,300 445,500 514,800

D. Economic Impacts

Construction Multipliers

Industry code 36	Direct	Indirect	Induced	Total
Employment	6.27	2.37	3.68	12.33
Labor Income	0.42	0.12	0.15	0.69
Output	1.00	0.30	0.44	1.74

Operations Multipliers

Industry code 31	Direct	Indirect	Induced	Total
Employment	1.75	0.41	1.65	3.80
Labor Income	0.22	0.02	0.07	0.31
Output	1.00	0.06	0.20	1.25

Multipliers sourced to Minnesota IMPLAN Group, Inc., IMPLAN Model 26 (2013)

Summary of Impacts for Concluding Analysis #2

Benefit of capital investment in county:

Total investment

Percentage of non-labor cost of investment to be retained in-county

Total

Direct benefit of employment of county residents:

Construction

Operations

Total

<u>Indirect and induced benefits of employment of county residents:</u>

Construction

Operations

Total

Other financial benefits resulting from the project, including capital contributions made by the Capital contributions

Project Construction Impacts

		Direct	Indirect		Induced	Total
Employment		67	25		39	131
Labor Income	\$ 4,000	0,000 \$	1,192,917	\$ 1,	414,146	\$ 6,607,063
Output	\$ 9,634	4,329 \$	2,883,813	\$ 4,	215,157	\$ 16,733,300

Project Operation Impacts (Recurring Annual Impacts)

	Direct	Indirect	Induced	Total
Employment	20	5	19	44
Labor Income	\$ 1,000,000	\$ 95,441	\$ 298,125	\$ 1,393,566
Output	\$ 4,540,378	\$ 254,230	\$ 888,579	\$ 5,683,187

	\$20,000,000 20%	
-		Capital investment
¢.	2 400 000	
\$	2,400,000	
\$	800,000	
\$	3,200,000	Employment benefits (direct)
\$	1,564,238	
\$	314,853	
\$	1,879,091	Indirect and induced employment benefits
<u>developer</u>	<u>:</u>	
\$	100,000	Other capital contributions by developer

Nevada Assembly Bill 239 (AB 239) Cost-Benefit Model E. Tax Rate Summaries

Property tax rates

Property tax rates			
	Average		Local
County	countywide rate	State portion	components
Carson City	3.5435	0.1700	3.3735
Churchill	3.0220	0.1700	2.8520
Clark	3.0554	0.1700	2.8854
Douglas	3.1436	0.1700	2.9736
Elko	2.8958	0.1700	2.7258
Esmeralda	3.0195	0.1700	2.8495
Eureka	1.7772	0.1700	1.6072
Humboldt	2.4850	0.1700	2.3150
Lander	3.3576	0.1700	3.1876
Lincoln	3.0776	0.1700	2.9076
Lyon	3.3553	0.1700	3.1853
Mineral	3.6600	0.1700	3.4900
Nye	3.3350	0.1700	3.1650
Pershing	3.2018	0.1700	3.0318
Storey	3.4607	0.1700	3.2907
Washoe	3.5689	0.1700	3.3989
White Pine	3.6600	0.1700	3.4900

Source: NV Department of Taxation Redbook 2013-2014

Sales tax rates

			Local
County	Total rate	State rate	components
Carson City	7.48%	2.0%	5.48%
Churchill	7.60%	2.0%	5.60%
Clark	8.10%	2.0%	6.10%
Douglas	7.10%	2.0%	5.10%
Elko	6.85%	2.0%	4.85%
Esmeralda	6.85%	2.0%	4.85%
Eureka	6.85%	2.0%	4.85%
Humboldt	6.85%	2.0%	4.85%
Lander	7.10%	2.0%	5.10%
Lincoln	7.10%	2.0%	5.10%
Lyon	7.10%	2.0%	5.10%
Mineral	6.85%	2.0%	4.85%
Nye	7.10%	2.0%	5.10%
Pershing	7.10%	2.0%	5.10%
Storey	7.60%	2.0%	5.60%
Washoe	7.73%	2.0%	5.73%
White Pine	7.73%	2.0%	5.73%

Source: NV Department of Taxation Sales Tax Map

Abated rate owed through June	
30, 2015	2.60%
Abated rate owed effective July	
1, 2015	2.25%
Source:	NRS 701A.385

Nevada Assembly Bill 239 (AB 239) Cost-Benefit Model F. List Options

FacilityType Biomass Fuel cells Geothermal energy Solar energy Waterpower Wind	Location Carson City Churchill Clark Douglas Elko Esmeralda Eureka Humboldt Lander Lincoln Lyon Mineral Nye Pershing Storey Washoe	YesNo Yes No
	<i>3</i>	