

**BEFORE THE NEVADA ENERGY DIRECTOR  
NEVADA STATE OFFICE OF ENERGY**

**EXHIBIT I**

12-0426G  
Renewable Energy Tax Abatement Application  
for partial sales and use tax abatement  
NRS 701A.300-390  
R094-10

By

Patua Project, LLC

Public Hearing  
Monday, September 24, 2012  
2PM  
Nevada State Office of Energy  
Room 202  
755 North Roop Street  
Carson City, Nevada 89701

To Participate via Telephone:  
Conference Dial-In Number: (641) 715-3200  
NSOE Access Code: 649969\*  
Participant Access Code: 649969#

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**Exhibit (A)**

Notice of Public Hearing, dated August 29, 2012

BEFORE THE NEVADA ENERGY DIRECTOR  
NEVADA STATE OFFICE OF ENERGY

In the Matter of the Application of: )

Patua Project, LLC )

AFN: 12-0426G

August 29, 2012

NOTICE OF PUBLIC HEARING

PLEASE TAKE NOTICE that a public hearing will be held before the Nevada Energy Director ("Director") regarding the above application at the following date, time, and location:

Monday, September 24, 2012

2PM

Nevada State Office of Energy

755 N. Roop Street, Suite 202

Carson City, NV 89701

To Participate via Telephone:

Conference Dial-in Number: (641) 715-3200

NSOE Access Code: 649969\*

Participant Access Code: 649969#

The hearing is being held pursuant to NRS 701A.360 (5) to determine whether the Application filed by Patua Project, LLC, with the Nevada State Office of Energy ("NSOE") on July 5, 2012 for the construction of a geothermal facility, meets the tax abatement criteria established in NRS 701A.300 through 701A.390 and adopted regulation LCB File No. R094-10 and is, therefore, entitled to partial abatement of sales and use taxes and property tax as provided in NRS 701A.300 through 701A.390. The hearing shall be considered a contested case pursuant to NRS chapter 233B and shall be held and decided openly and publicly. Patua Project, LLC and all other parties are entitled to present testimony of witnesses, to introduce evidence, and to cross-examine witnesses. Patua Project, LLC and other parties may be represented by legal counsel of their choice.

Pursuant to Section 23 of the applicable but as yet uncodified regulations (presently known as LCB File No. R094-10), the following entities or people may participate in this hearing as a party: (1) The Director of NSOE; (2) The Chief of the Budget Division of the Nevada Department of Administration; (3) The Nevada Department of Taxation; (4) The Board of County Commissioners of the county in which the project or facility will be located; (5) The County Assessor of the county in which the project or facility will be located; (6) The County Treasurer of the county in which the project or facility will be located; (7) the governing body of any city or town in which the project or facility is located; and (8) Governor's Office of Economic Development. Any person or entity that desires to participate as a party in the hearing of this matter must file with the Director a notice of its intention to participate in a form as described in Section 23 of LCB File No. R094-10.

If the person or entity is a **state entity**, it must file the notice of intent to participate in a form with the Director, Re: **AFN 12-0426G** by e-mail to at [smartens@energy.nv.gov](mailto:smartens@energy.nv.gov) and provide a copy of the notice of intent to participate in a form to the applicant's legal counsel, Brent Keele at [bkeele@mcdonaldcarano.com](mailto:bkeele@mcdonaldcarano.com) no later than September 6, 2012.

If the person or entity is or represents a **county, city, or township**, it must file the notice of intent in a form to participate with the Director, Re: **AFN 12-0426G** by e-mail to at [smartens@energy.nv.gov](mailto:smartens@energy.nv.gov) and provide a copy of the notice of intent to participate in a form to the applicant's legal counsel, Brent Keele at [bkeele@mcdonaldcarano.com](mailto:bkeele@mcdonaldcarano.com) no later than September 20, 2012.

The Director shall also allow public comment at a time appropriate to the conduct of the hearing.

To facilitate the expeditious and efficient consideration of the Patua Project, LLC application, the Director directs Patua Project, LLC and **any party wishing** to participate in the hearing to file any written testimony they would like the Director to consider to be received by the Director at [smartens@energy.nv.gov](mailto:smartens@energy.nv.gov) **no later than 5:00 p.m. on Friday, September 7, 2012**. Patua Project, LLC and participating parties wishing to **respond** to the written testimony must file responsive testimony with the Director at [smartens@energy.nv.gov](mailto:smartens@energy.nv.gov) **no later than 5:00 p.m. on Friday, September 14, 2012**.

The notice of intent to participate in a form and all written testimonies will be made available on the Director's website.

Copies of the public records related to Patua Project, LLC's application are available upon request to the Director by fax at (775) 687-1869, by e-mail addressed to [smartens@energy.nv.gov](mailto:smartens@energy.nv.gov) or by mail addressed to: Nevada State Office of Energy, 755 North Roop Street, Suite 202, Carson City, Nevada 89701.

Members of the public who are disabled and require special accommodations or assistance at the hearing should notify the Director in writing by mail addressed to: Nevada State Office of Energy, 755 North Roop Street, Suite 202, Carson City, NV 89701, by fax at (775) 687-1869, or by e-mail addressed to [smartens@energy.nv.gov](mailto:smartens@energy.nv.gov), no later than 7 business days prior to the hearing.

By the Nevada State Office of Energy Director,

  
Stacey Crowley

Dated: Carson City, Nevada August 29, 2012

This Notice of Public Hearing posted at the Nevada State Capitol's public notice posting board, Nevada State Office of Energy Web Page <http://www.energy.nv.gov> and the following locations:

**Attn: Public Posting**  
**Churchill County Library**  
5553 S. Maine Street  
Fallon, NV 89406

**Attn: Public Posting**  
**Tonopah Public Library**  
PO Box 449  
Tonopah, NV 89049

**Attn: Public Posting**  
**Las Vegas / Clark County Library**  
833 Las Vegas Blvd, N.  
Las Vegas, NV 89101

**Attn: Public Posting**  
**Pershing County Library**  
PO Box 781  
Lovelock, NV 89419

**Attn: Public Posting**  
**Elko County Library**  
720 Court Street  
Elko, NV 89801

**Attn: Public Posting**  
**Storey County Library**  
PO Box 14  
Virginia City, NV 89449

**Attn: Public Posting**  
**Esmeralda County Library**  
PO Box 430  
Goldfield, NV 89316

**Attn: Public Posting**  
**Washoe County Library**  
PO Box 2151  
Reno, NV 89505

**Attn: Public Posting**  
**Humboldt County Library**  
85 East Fifth Street  
Winnemucca, NV 89445

**Attn: Public Posting**  
**White Pine County Library**  
950 Campton Street  
Ely, NV 89301

**Attn: Public Posting**  
**Lyon County Library**  
20 Nevin Way

Yerington, NV 89447  
**Attn: Public Posting**  
**Carson City Library**  
900 N. Roop Street

Carson City, NV 89701  
**Attn: Public Posting**  
**Mineral County Library**  
PO Box 1390

Hawthorne, NV 89415  
**Attn: Public Posting**  
**Douglas County Library**  
PO Box 337

Minden, NV 89423  
**Attn: Public Posting**  
**Nevada State Library**  
100 Stewart Street

Carson City, NV 89701  
**Attn: Public Posting**  
**Eureka County Public Library**  
210 South Monroe St.

Eureka, NV 89316  
**Attn: Public Posting**  
**Legislative Building**  
401 South Carson St.

Carson City, NV 89701  
**Attn: Public Posting**  
**Lander County Library**  
PO Box 141

Battle Mtn, NV 89820  
**Attn: Public Posting**  
**Lincoln County Library**  
PO Box 330

Pioche, NV 89043

**Exhibit (B)**

Patua Project, LLC Pre-application filed with the Director on March 10, 2011

STATE OF NEVADA



NEVADA ENERGY COMMISSIONER  
RENEWABLE ENERGY AND ENERGY EFFICIENCY AUTHORITY

Nevada Renewable Energy Tax Abatement Pre-Application Form  
(Please refrain from making any changes to this form)

1. Pre-application Filing Date: 01/31/11

2. Applying for:

Sales and Use Tax Abatement only  Property Tax Abatement only  Both

3. Name of the business applying for abatement (Please attach a copy of Nevada State Business License issued by the Secretary of the State):

*Patua Project, LLC*

4. Name of the proposed facility:

*Patua 1 Geothermal Power Plant*

5. Type of Nevada Facility (please check all that are relevant to the proposed facility):

- Process Heat from Solar Energy
- Geothermal
- Solar PV
- Solar Thermal
- Wind
- Biomass
- Waterpower
- Fuel Cells
- Transmission that is interconnected to a renewable energy or geothermal facility (please include an attachment that describes the transmission facility and its function )
- Transmission that contributes to the capability of the electrical grid to accommodate and transmit electricity produced from Nevada renewable energy facilities and/or geothermal facilities (please include an attachment that describes the transmission facility, anticipated capacity of the transmission allocated for the electricity transmit from the Nevada Renewable Energy and/or Geothermal Facilities, and the possible Nevada renewable energy and/or geothermal facilities that will be connected to the proposed transmission facility)

6. List each county, city, and/or town in which the facility will be built:

*Churchill County*



**7. Describe the primary and other sources of energy for the operation the facility:**

Geothermal power

**8. Nameplate production capacity of the facility:**

60 MW

**9. Anticipated capital investment amount:**

\$302,066,000

**10. Describe how the facility will be financed:**

Bank financed

**11. Will the facility or any portion of the facility be located on residential property?:**

Yes  No (Please describe in an attachment if yes)

**12. Will the facility be built on (please check all that are relevant to the proposed facility):**

- Private land  
 BLM Land  
 Other Governmental Entity Land  
 Other

Please describe each selected:

Gradient will own and operate the facilities on a mixture of owned and leased ground. The geothermal power plant will be constructed on privately owned land while the geothermal wells are on private land and other governmental entity land. The Federal government owns a portion of the geothermal minerals that will be produced; the leases for which are managed by the Bureau of Land Management. #

**13. Will the facility or any portion of the facility be owned, operated, or otherwise controlled by a governmental entity?**

Yes  No (Please describe in an attachment if yes)

**14. Will funding be provided by a Nevada governmental entity for the acquisition, design, or construction of the facility or for the acquisition of any land ?**

Yes  No (Please describe in an attachment if yes)

**15. Will the facility be receiving or be awarded other abatements or exemptions from the sale/use taxes and property taxes?**

Yes  No (Please describe in an attachment if yes)

Ver. 10/2010

**16. How long is it anticipated that the facility will be operational?**

At least 20 years

**17. Name of the utility or company with which the applicant has a long-term power purchase agreement (PPA) and the length of the agreement (if there is no existing PPA, please include an attachment that describes the plan and phase for the PPA):**

Sacramento Municipal Utility District - 20 years

**18. Anticipated first date of purchasing tangible personal property for the project:**

Ordering May 2011 for long lead time items

**19. Anticipated date or time range for the start of construction (Please be realistic):**

June 2011

**20. Anticipated date or time range for the commencement of operation of the facility (Please be realistic):**

October 2012

**21. Attach a chart or table for the project phases and provide a short description and timeline for each phase**

Attached

**22. How many full-time construction employees will be employed during the second quarter of the construction and how many of them will be residents of Nevada?**

At least 50 full time employees, at least 30% will be NV residents. See attached breakdown.

**23. How many full-time and part-time construction employees are anticipated to be employed during the entire construction phase and how many of them will be residents of Nevada? (Please provide estimated break down for each quarter)**

See attached quarterly breakdown. Will have at least 30% Nevada residents.

**24. Anticipated average hourly wage paid to the employees working on the construction of the facility during the entire construction period (excluding management and administrative employees)<sup>1</sup>:**

\$30.25

**25. How many full-time employees will be employed once the facility is operational?**

22

**26. Anticipated average hourly wage paid to the operational employees of the facility<sup>1</sup>:**

\$30.79

<sup>1</sup> Statewide wage thresholds available at <https://www.nevadaworkforce.com/article.asp?ARTICLEID=2786>

**27. Will health insurance plan for construction employees with an option for dependents be offered to all construction employees?**

Yes  No (Please describe if yes)

Health insurance plan will include at least: 1) Emergency Care 2) Inpatient & Outpatient hospital services 3) Physician's services 4) Outpatient medical services 5) Laboratory Services 6) X-ray services 7) Minimum employer contribution at the level of 80% of medical expenses after the employee paid deduction is met

**28. Name, address, telephone number and e-mail of a designated representative(s)**  
(please list at least one technical person who is familiar with the proposed facility)

Michael Collins  
9670 Gateway Drive  
Reno, NV 89521  
mcollins@gradientresources.com  
(775) 284-8842

**29. Name, address, telephone number and e-mail of a designated attorney (if any):**

James Bowen  
9670 Gateway Drive  
Reno, NV 89521  
jbowen@gradientresources.com  
(775) 284-8842

I, Richard Atkinson, by signing this Pre-Application, I do hereby attest and affirm under penalty of perjury the following:

- (1) I have the legal capacity to submit this Pre-Application on behalf of the applicant;
- (2) I have prepared and personally knowledgeable regarding the contents of this Pre-Application; and
- (3) The content of this Pre-Application are true, correct, and complete.

  
SIGNATURE

01/31/11

DATE

Richard Atkinson, Chief Financial Officer

NAME & TITLE (Please print)

Ver. 10/2010

**Exhibit (C)**

Patua Project, LLC Application (Redacted) filed with the Nevada State Office of Energy on July  
5, 2012

State of Nevada  
Renewable Energy Tax Abatement Application  
AFN 12-0426G  
Facility Information

**Type of Incentives (Please check all that the company is applying for on this application.)**

- Sales & Use Tax Abatement       Property Tax Abatement

**Company Information (Legal name of company under which business will be transacted in Nevada.)**

Company Name: Patua Project, LLC			
Department of Taxation's Tax Payer ID number: 1011605481-001			
Federal Employer ID number (FEIN, EIN or FID): 27-1454757			
NAICS Code: 221119 Other Electric Power Generation			
Description of Company's Nevada Operations: The company will own and operate the Geothermal Power plant.			
Percentage of Company's Market Inside of Nevada: 100%			
Mailing Address: 9670 Gateway Dr. Ste 200			
City:	Reno	State: NV	Zip: 89521
Phone:	(775)284-8842	Fax:	(775)284-8846

**Nevada Facility**

**Type of Facility (please check all that are relevant to the facility)**

- Geothermal
- Process Heat from Solar Energy
- Solar PV
- Solar Thermal
- Wind
- Biomass
- Waterpower
- Fuel Cells
- Transmission that is interconnected to a renewable energy or geothermal facility
- Transmission that contributes to the capability of the electrical grid to accommodate and transmit electricity produced from Nevada renewable energy facilities and/or geothermal

Name Plate Production Capacity of the Facility: 48 MW (Gross)
Net Output Production Capacity of the Facility in MW: 30 MW (Net)
Annual Net Production Capacity of the Facility in MWh (or other appropriate unit): 226,860 MWh

Estimated total capital investment: *****
Percent of total estimated capital investment expended in Nevada: 100%

State of Nevada  
Renewable Energy Tax Abatement Application  
AFN 12-0426G  
Facility Information

Anticipated first date of purchasing tangible personal property for the project (Please be realistic): April 2011		
Anticipated date or time range for the start of construction (Please be realistic): October 8, 2012		
Anticipated date or time range for the commencement of operation of the facility (Please be realistic): 3rd Quarter 2013		
Address of the Real Property for the Generation Facility: 17388 Patua Road		
City: Hazen	State: NV	Zip: 89408

Size of the total Facility Land (acre): ~4,319 acres.
How Many Buildings will exist on the facility land? 2
Size of Each Building (sq.ft.) Control Bldg: 3,900 ft <sup>2</sup> Pump House: 400 ft <sup>2</sup>

Are you required to file any paper work with the PUC and/or FERC?

If yes, YES	Purpose of the Filing with PUC: A PUC permit to construct has been issued under the Nevada Utility Environmental Protection Act (UEPA).	Filing Date OR Anticipated filing Date: 3/9/10	If Filed, PUC Docket Number: 10-03012
If yes, YES	Purpose of the Filing with FERC: QF/EWG Certification	Filing Date OR Anticipated filing Date: Estimated 7/1/12	If Filed, FERC Docket Number.

List All the county(s), Cities, and Towns where the facility will be located	
1	Churchill County, NV
2	City of Fernley, NV
3	Lyon County, NV
4	
5	
6	
7	
8	
9	

State of Nevada  
Renewable Energy Tax Abatement Application  
AFN 12-0426G  
Facility Information

<b>ATTACH</b>	
1	Description of the Technology and Complete Facility including generation, transmission or distribution, the physical point at which the ownership of energy is transferred and nature of the connection to the transmission grid Attached
2	Complete and legal description of the location of the proposed facility, including a regional facility map that identifies the location, county boundaries and state boundaries of the proposed facility or a reference to any such map of appropriate scale Attached
3	Description of any natural or nonrenewable resources that will be affected by or required to be used in the construction or operation of the proposed facility, including statement of any areas of mitigation, controversy, issue or concern Attached
4	Summary of the PUC and FERC Dockets if any PUC and FERC filing have started Attached
5	Copy of the Business Plan for the Nevada Facility: The Business Plan of the Patua Project, LLC is to generate electricity from renewable geothermal resources and sell the power under a long-term power purchase agreement to Sacramento Municipal Utility District (SMUD).
6	For Expansion Applications, Copy of the most recent assessment schedule and tax bill from the County Assessor's
7	Website link to company profile <a href="http://www.gradient.com/company/">http://www.gradient.com/company/</a>
8	Copy of the Current Nevada State Business License Attached
9	Facility Information Form
10	Employment Information, construction, and permanent employee salary schedules
11	Supplemental Information Form
12	Taxation Reporting Forms (Summary Sheet and Schedules 1 through 8)
13	Names and contact information for construction company, contractors, subcontractors
14	Letter from the utility or company describing the highlights of PPA, LOI, or MOU. The SMUD PPA and its terms are confidentially bound under the PPA. Attached is the press release announcing execution of the PPA for Patua.
15	Confidential Information Identification Form

## **1.0 Geothermal Power Generation Facility and Generation Substation**

The power generation facility and generation substation will be located in Churchill County, entirely on privately owned land, T20N, R26E, Section 21, MDBM. The power generation facility will be built on an approximately 700 foot by 1,650 foot site (26 acres). Facility systems and equipment will be designed and selected for a commercial life of 30 years.

### **1.1 Geothermal Power Generation Facility**

The power generation facility would include approximately three generation modules, capable of producing a nominal 30 MW (net) of electricity, as well as, associated wells, geothermal fluid pipelines, and access roads.

The power generation facility will be an air-cooled binary geothermal plant, wherein geothermal fluids (brine) are pumped to the facility from the wellfield via a system of pipelines. Engineering and construction of the facility is in agreement with applicable industry and local standards.

Each generation module consists of preheaters and vaporizers (heat exchangers), turbine, gearbox, electrical generator, air-cooled condenser, working fluid cycle pump, and motor control center (MCC). Power generation at the facility functionally resembles a steam cycle power plant: 1) a pump increases the pressure of a secondary organic working fluid; 2) high pressure working fluid is vaporized by heat extracted from geothermal brine via heat exchangers; 3) high pressure working fluid vapor expands in a turbine (turbo-expander) spinning a gear driven generator, and producing electrical power; 4) low-pressure working fluid vapor exits the turbine and is condensed through an air-cooled condenser before travelling back to the pump to restart the cycle. After passing through the heat exchangers, geothermal brine is pumped back to the wellfield for injection back to the geothermal reservoir. The organic working fluid selected for the process is a [REDACTED]. Reuse of the organic working fluid and reinjection of geothermal brine provides for a closed-loop process, virtually eliminating the potential for non-condensable gas emissions and geothermal fluid losses.

It is estimated that up to 12 individual production wells could be required to support the nominal 30 MW (net) of electricity generation.

Site drainage, including the power generation facility finish grade, ditches, swales, and other drainage features have been designed in accordance with Churchill County requirements. Drainage has been designed to ensure that storm water runoff would not adversely affect nearby surface waters.



### **1.2 Air-Cooled Condensers (ACC)**

Each generating module will have a bank of ACC which condense the working fluid vapor, exiting the turbine, back into a liquid form using air as the cooling medium. ACC for each of the three generation modules will generally consist of twelve top mounted fans. ACC would be of single pass, induced draft, air to working fluid design, with carbon steel tubes and aluminum fins. ACC fans will have cowlings for air direction and personnel safety. Fan drive motors will be rated appropriately for outdoor installation. An air-cooled system on a binary power generation facility has virtually no water losses during normal operation, thus does not require a source of "make-up" water.

### **1.3 Fire Protection System**

A fire protection system will be incorporated with facility design to include one 200,000 gallon water storage tank, two diesel powered pumps, water distribution piping, control panel, automatic valves, instrumentation and hydrants. Handheld fire extinguishers will also be located appropriately throughout the facility. Infrared flame detection sensors will be strategically placed, namely at locations adjacent to major equipment and hydrocarbon storage. When sensors detect flames, the valves in the zone of detection open until manually arrested. The fire water system will be utilized in outdoor areas for fire suppression and integrated with leak detection and audible alarm systems. O&M facilities will also be equipped with a separate waterless fire suppression system where protection of the MCC and other crucial electrical equipment is necessary. A waterless system has been selected to be safe for use where personnel may be located.

### **1.4 Power Generation Facility and Well Field Control System**

A Programmable Logic Controller (PLC) will be utilized, with a graphical touch screen Human Machine Interface (HMI) terminal located on the face of the control panel in the motor control center (MCC) section of each module. This system is used to automatically safely start, stop and control each system under steady state and changing conditions, provide a visual indication of operating status, alarms and faults, and monitor protective devices associated with the complete cycle process. A master control DCS will provide overall supervisory control, located in the control building, and equipped with the appropriate redundancy and uninterruptable power supply.

### **1.5 Electrical System**

Each of the three generation modules will have one electrical generator. Generators will each be rated at 18,824 kVA, 12.47kV, 3-phase, 60 Hz, power factor 0.85, 1,800 rpm.

Power generated by the three modules will be transferred via underground cables to a switchyard located on the western side of the power block. The switchyard will contain a single 12.47kV to 120kV generator step-up (GSU) transformer.

### **1.6 Power Generation Facility Substation**

The power generation facility will include a substation, which serves the function of connecting the facility's electrical output to the utility's electrical distribution system. At a minimum, the substation will include 12.47 kV switchgear and buswork, one or two generator step-up transformers (12.47 kV /120 kV), an "A" frame or "H" frame with disconnect switches to isolate the transmission system from the power generation facility, and circuit breakers for system isolation. Additionally, an emergency diesel generator will be installed in the switchyard to allow for energizing certain facility loads without requiring use of power from the utility. The substation will also include metering, relaying for remote monitoring and operations, and communication devices as necessary.

## **2.0 Transmission Interconnection**

### **2.1 Interconnection Point**

The project will interconnect to the NV Energy transmission system via the Eagle Substation located just north of Interstate 80 within the limits of the City of Fernley in Section 7, T20N, R25E, MDBM. Ownership of the power will transfer from the applicant to a power marketing subsidiary at the step-up transformer at the power plant, prior to the interconnection point.

### **2.2 Interconnection Line**

Approximately 8 miles of 120 kV transmission line will be constructed between the geothermal power generation facility and the NV Energy facilities connecting to the Eagle Substation described above. The transmission line will be located on BOR managed lands, NDOW managed lands, and private land.

The project will require up to 300 amps per phase for a typical output of 30 MW transmitted at 120 kV. The line conductor will likely be 556 kcmil 26/7 aluminum conductor steel reinforced (ACSR) or 795 kcmil 26/7 ACSR. This selection is common for this voltage level and limits energy losses and voltage drop to less than 1 percent under maximum load. The transmission line is considered a critical line without which the project energy sales will not be possible. Therefore, the line has been designed and constructed using National Electrical Safety Code (NESC) Grade B load factors and strength reduction factors (SRF).

1. Description of Technology

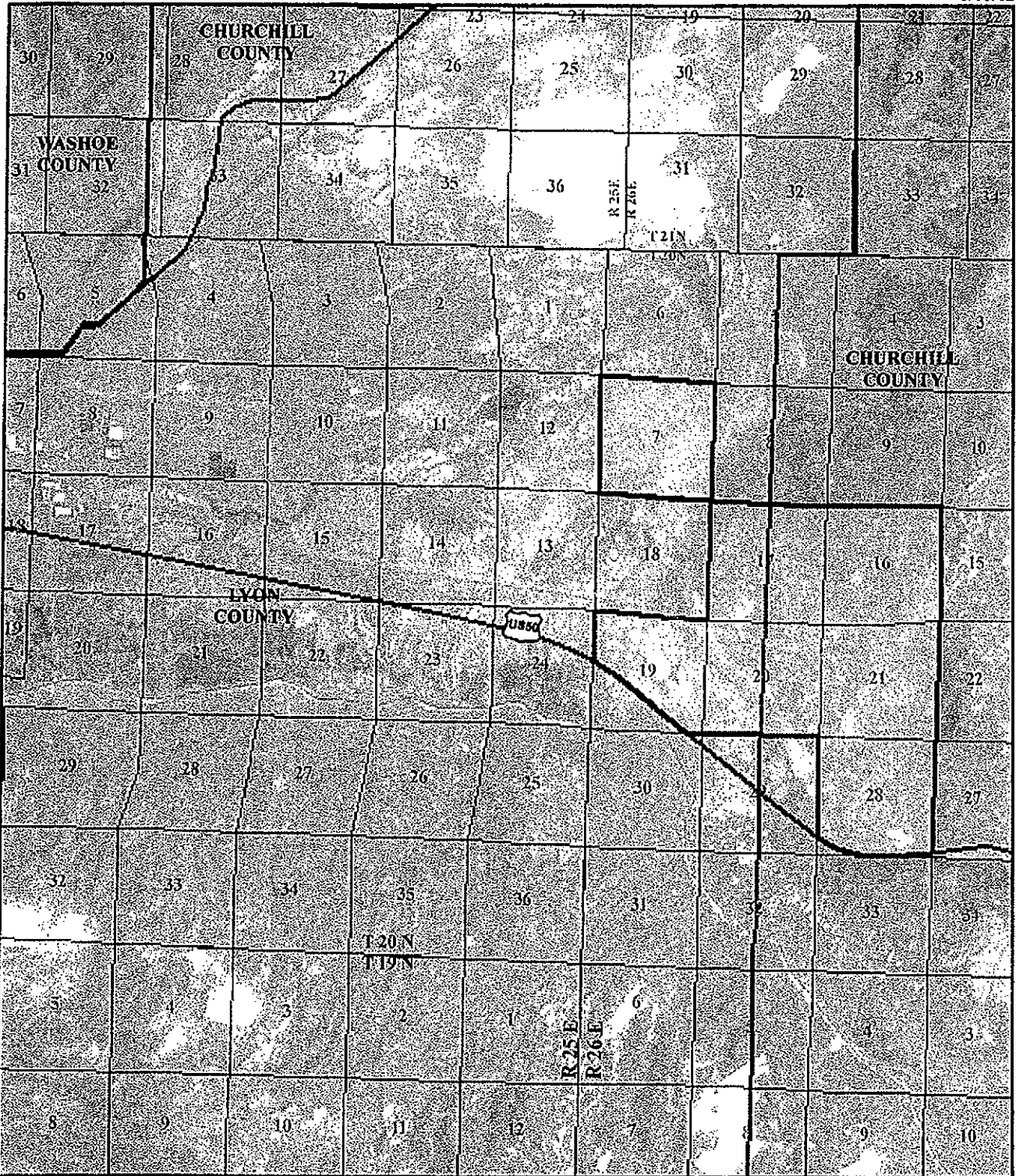
The transmission line must meet NESC Rule 232 and BOR requirements for clearances to ground. NESC 120kV required ground clearance is approximately 20.5 feet, to which a margin for design and construction variances is usually added for a design clearance of an estimated 24 feet. BOR requires a minimum of 40 feet clearance over pipeline and canal ROWs for 120 kV lines; in accordance with BOR's request one segment of the transmission line, located in Section 15, T20N, R25E, was heightened to achieve a 40 foot ground clearance above the Fernley East Wastewater Treatment Facility (FEWWTF) discharge into the Fernley Wildlife Management Area (FWMA). The line has been designed for providing the design clearance at a maximum operating temperature of 212°F, a typical temperature for ACSR conductor. The line will have additional capacity for potential future generation growth.

Two shield wires will be used for lightning protection. One of these shield wires will be a steel wire (3/8-inch EHS or similar) and the other may be a steel wire or optical ground wire, containing optical fibers for project use only (e.g., supervisory control and data acquisition (SCADA), protective relaying, controls and communications with NV Energy).

The line supports will typically be either single pole or H-frame (HF) structures with two wood poles, set about 14 feet apart in cross country sections. For a span of 800 feet, common for such construction, two 60 to 90 foot Class 1 Douglas fir poles will be sufficient for clearance and strength. The poles will be embedded an estimated 10 feet into the soil and the above-grade height will be approximately 50 to 80 feet. Special situations like crossing over hills, crossing roadways, and spanning topographic depressions would require a range of structure heights to achieve necessary clearances. The structure would use single polymer suspension insulators to support the 120kV conductors. Its cross arm will be wood and approximately 32 feet wide. Top bracing above the cross arm may be used for additional support of the arm on long spans. At angles in excess of about 5 to 10 degrees in the alignment (known as points of intersection), guyed 3-wood pole structures or steel poles would be used.



# Patua Project, LLC 2. Patua Regional Facility Map

5/10/12



Thursday, May 10, 2012 4:41:38 PM  
 C:\Program Files\MapInfo\MapInfo\MapInfo.exe

### Legend

-  Facility Area
-  County Line

PAT-689



0 0.5 1 Miles

Aerial Photo from Hip/Block/Erasmus/ck/late/airphoto/airphoto  
 Section boundaries from USGS PLSS  
 The contents of this map are approximate and subject to change

Patua Project, LLC  
AFN 12-0426G  
2. Patua Legal Description

**TOWNSHIP 20 NORTH, RANGE 26 EAST, MDM**

- Section 7:** Lots 1 (38.32), 2 (38.78), 3 (39.24), 4 (39.70), E/2W/2, E/2 containing 636.04 acres  
**Section 16:** All, a part of BLM Lease #NVN-85705 containing 640.00 acres  
**Section 17:** All: containing 640.00 acres  
**Section 19:** All that portion of said Section 19, lying Northerly of U.S. Highway 50 Alternate and U.S. Highway 95, Alternate. Said land is shown as Parcels 1, 2 and 3 on the final map Division of Land Into Large Parcels of Dark Horse Geo Center, recorded January 17, 2008, as Document No. 419535, of Official records, Lyon County, Nevada, containing 430.38 acres.  
**Section 20:** Lots 1 (37.07), 2 (36.99), 3 (36.93), 4 (36.95), 5 (37.06), 6 (37.04), 7 (37.08) 8 (37.16), N/2, a part of BLM Lease #NVN-85705 containing 616.28 acres  
**Section 21:** All, containing 631.28 acres  
**Section 28:** All, a part of BLM Lease #NVN-85705 containing 640.00 acres

**TOWNSHIP 20 NORTH, RANGE 25 EAST MDM**

**Section 8 & 9:** A seventy-five foot (75') wide power transmission line easement over and across Parcel 1 of Parcel Map Number 441296 of the Official Records of Lyon County, Nevada, situate within portions of Section 8 and Section 9, the side line of which being thirty seven and one half feet (37.5') each side of and measured at right angles to the following described centerline:

Commencing at the Northeast corner of the aforementioned Section 9; thence along the Easterly line of the Northeast one-quarter (1/4) of said Section 9 South 00°27'18" West a distance of 1789.56 feet to the true point of beginning;

Thence North 87°07'11" West a distance of 8102.57 feet;

Thence North 64°34'28" West a distance of 1586.83 feet;

Thence South 52°56'59" West a distance of 601.86 feet more or less to the existing steel power transmission line tower the point of terminus of this description.

Pursuant to NRS 111.312 the legal description previously appeared in Deed #478285, recorded on June 24, 2011, in Lyon County records, Nevada.

**Section 10:** Beginning at a 3-1/2" diameter U.S. General Land Office brass cap monument set to mark the Northwest corner of said Section 10;

Thence South 89°19'28" East along the North line of said Section 10, a distance of 137.50 feet;

Thence departing said North line, South 00°26'22" West, 466.57 feet;

Thence North 89°19'28" West, 54.31 feet;

Thence South 00°33'26" East, 4672.58 feet;

Thence South 23°11'07" East, 119.35 feet to a point on the South line of Section 10;

Thence North 88°58'17" West along said South Line, 215.19 feet to the Southwest corner of Section 10;

Thence North 00°30'09" East along the West line of Section 10 a distance of 2,609.45 feet to the West One Quarter (1/4) corner of Section 10;

Thence North 00°26'22" East, continuing along said West line, 2,636.48 feet to the point of beginning, containing 15.31 acres, more or less.

Pursuant to NRS 111.312 the legal description previously appeared in the document, License to Use Reclamation Withdrawn Land, Document #474854, recorded on April 14, 2011, in Lyon County records, Nevada.

**Section 13:** Beginning at a point on the West line of said Section 13, distant thereon South 0°42'48" West, 1379.35 feet from a 3-1/2" diameter US General Land Office brass cap set to mark the West One-Quarter (1/4) corner of said Section 13;  
Thence departing said West line, South 83°05'37" East, 4492.44 feet to a point on the East line of said Section 13, distant thereon South 0°15'10" West, 1858.04 feet from a 3-1/2" diameter US General Land Office brass cap set to mark the East One-Quarter (1/4) corner of said Section 13;  
Thence South 00°15'10" West along said East Line, 75.51 feet;  
Thence departing said East line, North 83°05'37" West, 4493.05 feet to a point on the West line of said Section 13;  
Thence North 00°42'48" East along said West line, 75.44 feet to the point of beginning,  
containing 7.74 acres of land, more or less.

Pursuant to NRS 111.312 the legal description previously appeared in Deed #466150, recorded on October 7, 2010, in Lyon County records, Nevada.

**Section 14:** Beginning at a point on the West line of said Section 14, distant thereon South 0°26'43" West, 803.71 feet Southerly from a 5/8" rebar with plastic cap stamped "Bell Surveying PLS 11420", set to mark the West One Quarter (1/4) corner of said Section 14;  
Thence departing said West line, South 82°01 '56" East, 9.13 feet;  
Thence South 83°05'37" East, 5354.04 feet to a point on the East line of said Section 14, distance thereon South 0°42'48" West 1379.35 feet from a 3 1/2," diameter U.S. General Land Office brass cap set to mark the East One Quarter (1/4) corner of said Section 14;  
Thence South 00°42'48" West, 177.74 feet along said East line to a point on the North right-of-way line of Union Pacific Railroad;  
Thence along said North right-of-way, North 83°05'02" West, 5362.42 feet to a point on the West line of said Section 14;  
Thence North 00°26'43" East along said West line, 177.08 feet to the point of beginning,  
containing 21.70 acres, more or less.

Pursuant to NRS 111.312 the legal description previously appeared in the document, License to Use Reclamation Withdrawn Land, Document #474854, recorded on April 14, 2011, in Lyon County records, Nevada.

**Section 15:** Beginning at a point on the North line of said Section 15, distant thereon South 88°58'17" East, 132.95 feet from a 3-1/2" diameter US General Land Office brass cap set to mark the Northwest corner of said Section 15;  
Thence South 88°58'17" East along said North line, 82.24 feet;  
Thence departing said North line, South 23°11 '07" East, 858.39 feet;  
Thence South 28°50'31" East, 2566.28 feet;  
Thence South 82°01 '56" East, 3488.57 feet to a point on the East line of said Section 15, distant thereon South 0°26'43" West, 803.71 feet from a 5/8" rebar with plastic cap stamped "Bell Surveying PLS 11420", set to mark the East One-Quarter (1/4) corner of said Section 15;  
Thence South 00°26'43" West along said East line, 75.65 feet;  
Thence departing said East line, North 82°01 '56" West, 3424.54 feet;

Thence South 06°55'54" West, 61.05 feet;  
Thence North 83°04'06" West, 143.14 feet;  
Thence North 28°50'38" West, 144.12 feet;  
Thence North 61°09'22" East, 62.57 feet;  
Thence North 28°50'31" West, 2401.51 feet;  
Thence South 63°12'09" West, 63.12 feet;  
Thence North 28°49'07" West, 95.51 feet;  
Thence North 23°10'38" West, 93.59 feet;  
Thence North 63°12'09" East, 63.16 feet;  
Thence North 23°11'07" West, 801.27 feet to the point of beginning,  
containing 12.65 acres of land, more or less.

Pursuant to NRS 11 1.312 the legal description previously appeared in Deed #466150, recorded on October 7, 2010, in Lyon County records, Nevada.

#### **TOWNSHIP 20 NORTH, RANGE 26 EAST, MDM**

**Section 18:** Beginning at a point on the West line of said Section 18, distant thereon South 0°15'10" West, 1858.04 feet from a 3-1/2" diameter U.S. General Land Office brass cap set to mark the West One Quarter (1/4) corner of said Section 18;  
Thence departing said West line, South 83°05'37" East, 72.51 feet;  
Thence North 09°24'46" East, 66.34 feet;  
Thence South 80°35'14" East, 188.43 feet;  
Thence South 09°24'46" West, 66.65 feet;  
Thence South 78°04'50" East, 1854.96 feet  
Thence North 17°23'16" East, 80.27 feet;  
Thence South 72°36'44" East, 208.56 feet;  
Thence South 17°23'16" West, 80.27 feet  
Thence South 67°08'38" East, 1536.96 feet to a point on the South line of said Section 18, distant thereon North 85°39'12" West, 1405.77 feet from a 3-1/2" diameter U.S. General Land Office brass cap set to mark the Southeast corner of said Section 18;  
Thence North 85°39'12" West along said South line, 459.33 feet to a point on the North right-of-way line of Union Pacific Railroad;  
Thence along said North right-of-way the following 3 courses;  
    Along the arc of a non-tangent curve to the left, concave Southwesterly, radial to a bearing of South 30°08'51" West, having a radius of 5829.58 feet, through a central angle of 21°38'43", a distance of 2202.30 feet;  
    Along the arc of a spiral curve to the left whose chord bears North 82°33'19" West, 322.77 feet;  
    North 83°05'02" West, 851.15 feet to a point on the West line of Section 18;  
Thence North 00°15'10" East along said West Line, 178.68 feet to the point of beginning.  
containing 10.25 acres of land, more or less.

Pursuant to NRS 111.312 the legal description previously appeared in the document License to Use Reclamation Withdrawn Land, Document #474854, recorded on April 14, 2011, in Lyon County records, Nevada.

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3. Description of Natural or Non-Renewable Resources

*Description of any natural or nonrenewable resources that will be affected by or required to be used in the construction or operation of the proposed facility, including statement of any areas of mitigation, controversy, issue or concern:*

**Diesel Generators**

An onsite diesel generator will be utilized periodically, primarily during start-up operations known as “black starts”. This common geothermal industry procedure utilizes a diesel generator when all the geothermal turbines have been stopped. The diesel generator will be used to start the first geothermal turbine. The geothermal turbine will then start the remaining geothermal turbines. The usage of the generator will be minimal, probably only a few hours a year.

**Water Use**

The geothermal project is being constructed utilizing air-cooled condensers. However, there will still be a modest amount of water usage during construction and operations.

The project currently estimates consuming approximately 2 acre-ft during *construction* of the geothermal facility. The primary uses of water will include dust abatement and the filling and testing of the onsite fire suppression tanks.

The project currently estimates consuming approximately 1 acre-ft annually during *operations* of the geothermal facility. The primary uses of water will include dust abatement and facility maintenance.

The water used for these activities would likely be purchased locally, likely from the City of Fernley, and trucked to the project site.



**PUCN Docket Summary: Patua Project UEPA Permit to Construct**

The Patua Geothermal Project Utility Environmental Protection Act (UEPA) Application for a Permit to Construct, Docket Number 10-03012, was initially filed with the Public Utilities Commission of Nevada (PUCN) on March 9, 2010 and was amended in December, 2010. The Permit to Construct was approved and issued on July 18, 2011.

The project consists of a binary-cycle, geothermal power plant located 10 miles east of Fernley, NV, in Churchill and Lyon Counties. Proposed associated facilities to the geothermal power plant include geothermal wells, geothermal fluid pipelines needed to transport geothermal fluids, and the transmission interconnection line needed to deliver electricity to the grid.

In accordance with Nevada Revised Statute (NRS) 704.870(2), an amended UEPA application for a permit to construct was filed on December 23, 2010, which contained the United States Bureau of Land Management (BLM) and Bureau of Reclamation (Reclamation) Environmental Assessment pursuant to the National Environmental Policy Act (NEPA), Decision Record, and Finding of No Significant Impact (FONSI). Subsequently, on March 30, 2011, the PUCN produced an Order, consisting of findings and conclusions to Docket Number 10-03012, which granted the Amended Application subject to certain Compliance Items, which generally consist of acquiring various necessary permits prior to the issuance of a PUCN Permit to Construct.

Among other things, the PUCN Order found the following:

- a. That the probable effect to the environment that cannot be mitigated or avoided as a result of construction of the Project has been determined in accordance with NRS 704.890(1)(a);
- b. That the need for the Project balances any adverse effect on the environment in accordance with NRS 704.890(1)(c);
- c. That the Project represents the minimum adverse effect on the environment, considering the state of available technology and the nature and economies of the various alternatives in accordance with NRS 704.890(1)(d);
- d. That the location of the Project as proposed conforms to applicable state and local laws and regulations and that the Applicant has obtained or is in the process of obtaining, all other permits, licenses and approvals required by federal, state, and local statutes, regulations and ordinances in accordance with NRS 704.890(1)(e); and,
- e. That the Project will serve the public interest in accordance with NRS 704.890(1)(f).

After completion of the Compliance Items, the PUCN issued a Permit to Construct a binary-cycle, geothermal power plant consisting of up to six turbine generator modules, capable of generating up to 60 MW (net), in addition to air-cooled condensers, heat exchangers, a fire water storage tank and pump house with distribution piping, an electrical substation, a control/administrative building, a warehouse and maintenance building, housing for a diesel generator, up to 23 geothermal wells, above ground pipelines, and an approximately 8 mile, overhead, 120 kV single circuit electrical interconnection line.

SECRETARY OF STATE



**NEVADA STATE BUSINESS LICENSE**

**PATUA PROJECT LLC**

Nevada Business Identification # NV20071275459

**Expiration Date: February 28, 2013**

In accordance with Title 7 of Nevada Revised Statutes, pursuant to proper application duly filed and payment of appropriate prescribed fees, the above named is hereby granted a Nevada State Business License for business activities conducted within the State of Nevada.

This license shall be considered valid until the expiration date listed above unless suspended or revoked in accordance with Title 7 of Nevada Revised Statutes.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office on February 24, 2012



ROSS MILLER  
Secretary of State

This document is not transferable and is not issued in lieu of any locally-required business license, permit or registration.

*Please Post in a Conspicuous Location*

**You may verify this Nevada State Business License  
online at [www.nvsos.gov](http://www.nvsos.gov) under the Nevada Business Search.**

**List of Required Permits or Authorizations for the Proposed Facility**

Permit or Authorization Title	Issuing Agency	Project Circumstance Requiring Permit or Authorization	Steps to Obtain Permit	Application Date	Approval Date or Expected Approval Date
Section 404 of Clean Water Act	US Army Corps of Engineers	Determining jurisdiction of mapped wetland resources in project area.	Mapped extent of wetland area. Sent letter requesting Jurisdictional Determination by USACE. Received letter confirming that wetland area is not within the jurisdiction of the United States.	December 22, 2009	November 4, 2010
Section 106 of National Historic Preservation Act	State Historic Preservation Office (SHPO)	Understanding extent and significance of cultural resources in project area.	Mapped the extent of cultural resources in the project area. BLM determined no effect to existing cultural resources and therefore no SHPO concurrence would be required.	N/A	N/A
Geothermal Drilling Permit	Bureau of Land Management (BLM)	Required in order to drill geothermal wells on BLM managed land.	Complete drilling application and submit drilling program. Applications and permits are submitted and obtained on an ongoing and as need basis for each well.	Various	Various
Facilities Construction Permit	BLM	Required in order to construct utilization facilities on BLM land.	Complete Sundry Notice for wellhead facilities, pipelines, and transmission line.	Various	Various
Transmission Interconnection Right-of-Way Permits	Bureau of Reclamation (BOR)	Required in order to construct the transmission interconnection line on Reclamation managed land.	Submitted SF299 for transmission line route and construction. Reclamation approved after finding from Environmental Assessment.	November 2, 2009	February 7, 2011
National Environmental Policy Act (NEPA); Environmental Assessment (EA)	BLM / BOR	Required prior to BLM decision to allow project on Federal land.	Submitted Development Plans. BLM, in coordination with Reclamation, reviewed plans and prepared and Environmental Assessment of the action. Prepared a Finding of No Significant Impact with regards to the proposed project.	November 2, 2009	December 6, 2010
Commercial Use Permit	BLM	Required to produce geothermal resources from Federal lands.	Complete and submit application prior to commercial operations.	Est. July 2012	Est. September 2012

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Self Certification as a Qualifying Facility or EWG	Federal Energy Regulatory Commission (FERC)	Constitutes FERC certification of the project.	Submit application describing operating and efficiency standards of the facility, in addition to various other technical data.	Est. July 2012	Est. August 2012
Hazen Drain Crossing	BOR / BLM	Required in order to cross Hazen Drain.	Submit crossing plans for approval.	Est March 2012	Est. May 2012
Stormwater Pollution Prevention Plan (SWPPP)	Nevada Division of Environmental Protection	Required for constructions projects disturbing more than one acre. Includes best management practices for controlling runoff.	Prepare SWPPP Notice of Intent form and SWPPP 2 days prior to construction. SWPPP remains on construction site and is updated regularly with changes to project.	December 11, 2008	December 19, 2008
Surface Area Disturbance (SAD) Permit	Nevada Division of Environmental Protection	Required for surface disturbance projects exceeding 5 acres in area.	Application submitted to Bureau of Air Pollution Control.	December 11, 2008	January 6, 2009
Geothermal Project Area Permit	Nevada Division of Minerals (NDOM)	Developers may submit a geothermal drilling project proposal for multiple production/injection wells. Reduces processing time for drilling permits.	Project area proposal submitted to Nevada Division of minerals.	August 19, 2008	October 7, 2008
State Well Permit	Nevada Division of Minerals (NDOM)	Required in order to drill geothermal wells in the State of Nevada.	Complete drilling application and submit drilling program. Applications and permits are submitted and obtained on an ongoing and as need basis for each well.	Various	Various
Geothermal Production Injection and Surface Disposal Approval	Nevada Division of Environmental Protection (NDEP)	Reinjection of Geothermal Fluids	Submit application including number of wells, type of wells, location of wells, etc.	Expect Q3 or Q4 2012	Expect Q1 2013
Onsite Sewage Disposal System (OSDS) General Permit	Nevada Division of Environmental Protection (NDEP)	Required for permission to construct and operate the power plant septic system.	Complete septic design and submit application.	May 10, 2011	June 3, 2011
Transmission Right-of-Way Permits	Nevada Division of Lands & Department of Wildlife	Required in order to construct the transmission interconnection line on State of Nevada land.	Submitted request to use state lands. Worked with NV Dept of Wildlife to design route and structures with least impact on state lands.	May 7, 2010	September 24, 2010
Utility Environmental Protection Act (UEPA)	Public Utilities Commission of Nevada	Required by the State of Nevada to assess the environmental impact of the facility.	Submitted initial application containing development plans. Submitted amended application containing Federal Environmental Assessment.	Initial: March 2010 Amended: December 2010	July 18, 2011

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Class II Air Quality Permit	Nevada Division of Environmental Protection (NDEP)	Required to construct and operate the power plant.	Submit application describing power plant and blackstart generators.	April 12, 2011	June 10, 2011
Fire Marshall Building Construction Approval	State Fire Marshall Division	Required to construct and operate the power plant.	Submit application, including plans and drawings for review of code requirements and sprinklers, etc.	May 20, 2011	May 26, 2011
Sewage Discharge Permit	Bureau of Health Protective Services, Health Division, Environmental	Same as OSDS.	Same as OSDS.	Same as OSDS.	Same as OSDS.
Working in Waters Permit	NDEP- Bureau of Water Pollution Control (BWPC)	Required for construction near wetland areas.	Submit application, including, type of construction, and location, etc.	June 10, 2011	June 16, 2011
Pressure Vessel Permit	Nevada Division of Industrial Relations; Occupational Health and Safety	Required for operation and annual inspection of boilers and pressure vessels.	Arrange inspection of vessels design and construction. Vessels must be stamped and installed according to NV code.	During construction / prior to operations.	During construction / prior to operations.
Drinking Water Supplies Permit	Bureau of Health Protective Services, Health Division	Required for construction sites having more than 25 employees onsite for greater than 60 days.	Submit application and water plans. BHPSHD determined permit not necessary.	N/A	N/A
Nevada RPS Renewable Facility Registration	Public Utilities Commission of Nevada	Required to register with the State of Nevada as a renewable generator.	Submit application showing location of facility and electrical one-line diagram indicating interconnection point.	Expect Q3 or Q4 2012	Expect Q1 2013
Special Use Permit	Churchill County Planning Department	Required for the construction and operation of geothermal plants in Churchill County.	Submit application describing the geothermal facility.	August 27, 2010	October 26, 2010
Building Permit	Churchill County Building Department	Required for the approval of construction building plans in Churchill County.	Submit plans and drawings for review of code compliance. Churchill County having 3 phases: 1) Civil/Grading; 2) Foundations; and 3) Mechanical, Fire Protection, & Electrical.	1. May, 2011 2. Est. June, 2011 3. Est. June, 2012	1. June 13, 2011 2. Est. July, 2011 3. Est. Aug, 2012
Temporary Use Permit	Churchill County Planning Department	Required for onsite personnel trailers/quarters.	Submit application describing trailers, their locations, and the anticipated duration.	May 18, 2009	July 24, 2009
Special Use Permit	City of Fernley Planning Department	Required for the construction and operation of the transmission interconnection line, wells, and pipelines in the City of Fernley.	Submit application describing the transmission interconnection line, wells, and pipelines in the City of Fernley.	April 26, 2010	August 4, 2010
Building Permit	City of Fernley Building Department	Required for the approval of construction building plans in City of Fernley.	Submit plans and drawings for review of code compliance.	May 23, 2011	June 22, 2011

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 10. Employment Information

(Only Numerical Answers. NO general answers such as "will comply with the Nevada Laws and Regulation" or "at least 30%")

**New Operations or Expansion**

**CONSTRUCTION EMPLOYEES**

	Full Time	Part Time
Number of anticipated construction employees who will be employed during the entire construction phase?	*****	
Number of anticipated construction employees who will be Nevada Residents?	*****	
Average anticipated hourly wage of construction employees, excluding management and administrative employees:	*****	
Number of anticipated construction employees who will be employed during the second-quarter of construction?	*****	
Number of anticipated second-quarter construction employees who will be Nevada Residents?	*****	

**PERMANENT EMPLOYEES**

Number of anticipated permanent employees who will be employed as of the end of its first fourth-quarter of new operations or expansion?	*****	
Average anticipated hourly wage of permanent employees, excluding management and administrative employees:	*****	
Number of permanent employees who were employed prior to the expansion?	*****	
Average hourly wage of current permanent employees, excluding managements and administrative employees	*****	

**Health Insurance for construction employees and an option for dependents must be offered upon employment**

List Benefits Included (medical, dental, vision, flex spending account, etc): This information will vary for each subcontractor. Subcontractors are aware of the minimum requirements, and will be required to copy to receive the bid.

Name of Insurer:

Cost of Total Benefit Package:

Cost of Health Insurance for Construction Employees:

### Construction Employee Schedule

List all anticipated construction employees and associated wages for all persons who will be working on the construction of the facility during the entire construction period.

**FULL TIME EMPLOYEES**

#	Job Title	(a) # of Nevada Employees	(b) # of Non-Nevada Employees	(c) = (a)+(b) Total # of Employees	(d) Hourly Wage per job title (\$)	(e) = (c) x (d) Total Hourly Wage per job title (\$)	(f) = Σ(e) / Σ(c) Average Hourly Wage (\$)
<b>Management and Administrative Employees</b>							
1	Manager of Construction	1	0	1	*****	*****	
2	Site Supervisor	1		1	*****	*****	
3	Project Manager		5	5	*****	*****	
4	Superintendent		5	5	*****	*****	
5	Assistant Project Manager		1	1	*****	*****	
6	Project Superintendent		2	2	*****	*****	
7	Admin Support		1	1	*****	*****	
8	Site Manager		1	1	*****	*****	
9	Project Engineer		1	1	*****	*****	
10	Electrical Engineer		1	1	*****	*****	
11	Doc Control		1	1	*****	*****	
12	Secretary		1	1	*****	*****	
13	Safety Engineer		1	1	*****	*****	
<b>TOTAL 1</b>		<b>2</b>	<b>20</b>	<b>22</b>		<b>\$0.00</b>	<b>\$0.00</b>

**Construction Employees, excluding Management and Administrative Employees**

1	Electrician, General Foreman		1	1	*****	*****	
2	Electrician, Foreman	1	1	2	*****	*****	
3	Electrician, Journeyman	5		5	*****	*****	
4	Electrician, Apprentice (Average Rate)	5		5	*****	*****	
5	Equipment Operators		10	10	*****	*****	
6	Carpenters		5	5	*****	*****	
7	Labor	2		2	*****	*****	
8	Pipe Fitters	10	10	20	*****	*****	
9					*****	*****	
10					*****	*****	
<b>TOTAL 2</b>		<b>23</b>	<b>27</b>	<b>50</b>		<b>\$0.00</b>	<b>\$0.00</b>

**PART TIME EMPLOYEES**

**Management and Administrative Employees**

1							
2							
3							
4							
5							
<b>TOTAL 3</b>							

**Construction Employees, excluding Management and Administrative Employees**

1							
2							
3							
4							
5							
<b>TOTAL 4</b>							

<b>TOTAL = TOTAL 1 + TOTAL 2 + TOTAL 3 + TOTAL 4</b>		<b>25</b>	<b>47</b>	<b>72</b>		<b>\$0.00</b>	<b>\$0.00</b>
<b>TOTAL CONSTRUCTION PAYROLL</b>							

## Second Quarter Construction Employee Schedule

List all anticipated construction employees and associated wages for all persons who will be working on the construction of the facility during the second quarter of construction.

### FULL TIME EMPLOYEES

#	Job Title	(a) # of Nevada Employees	(b) # of Non-Nevada Employees	(c) = (a)+(b) Total # of Employees	(d) Hourly Wage per job title (\$)	(e) = (c) x (d) Total Hourly Wage per job title (\$)	(f) = $\Sigma(e) / \Sigma(c)$ Average Hourly Wage (\$)
<b>Management and Administrative Employees</b>							
1	Manager of Construction	1	0	1	*****	*****	
2	Site Supervisor	1		1	*****	*****	
3	Project Manager		1	1	*****	*****	
4	Superintendent		1	1	*****	*****	
5	Assistant Project Manager		1	1	*****	*****	
6	Project Superintendent		2	2	*****	*****	
7	Admin Support		1	1	*****	*****	
8	Site Manager		1	1	*****	*****	
9	Project Engineer		1	1	*****	*****	
10	Electrical Engineer		1	1	*****	*****	
11	Doc Control		1	1	*****	*****	
12	Secretary		1	1	*****	*****	
13	Safety Engineer		1	1	*****	*****	
	<b>TOTAL 1</b>	<b>2</b>	<b>12</b>	<b>14</b>		<b>\$0.00</b>	<b>\$0.00</b>

### Construction Employees, excluding Management and Administrative Employees

1	Electrician, General Foreman		1	1	*****	*****	
2	Electrician, Foreman		1	1	*****	*****	
3	Electrician, Journeyman	2		2	*****	*****	
4	Electrician, Apprentice (Average Rate)	3		3	*****	*****	
5	Equipment Operators	5	5	10	*****	*****	
6	Carpenters		5	5	*****	*****	
7	Labor	30	2	32	*****	*****	
8	Pipe Fitters	15	6	21	*****	*****	
9							
10							
	<b>TOTAL 2</b>	<b>55</b>	<b>20</b>	<b>75</b>		<b>\$ -</b>	<b>\$0.00</b>

<b>TOTAL = TOTAL 1 + TOTAL 2</b>		<b>57</b>	<b>32</b>	<b>89</b>			
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## Second Quarter Construction Employee Schedule (Continued)

**PART TIME EMPLOYEES**

#	Job Title	# of Nevada Employees	# of Non-Nevada Employees	Total # of Employees	weekly Wage per job title (\$)	Total weekly Wage per job title (\$)	Average Hourly Wage (\$)
<b>Management and Administrative Employees</b>							
1							
2							
3							
4							
5							
	<b>TOTAL</b>						

<b>Construction Employees, excluding Management and Administrative Employees</b>							
1							
2							
3							
4							
5							
	<b>TOTAL</b>						

## Permanent Employee Schedule

List all anticipated permanent employees who will be employed by the Nevada Facility as of the end of its first fourth-quarter of new operations or expansion and the employment per job title will continue next 20 years

### FULL TIME EMPLOYEES

		(c)	(d)	(e) = (c) x (d)	(f) = $\Sigma(e) / \Sigma(c)$
#	Job Title	# of Employees	Hourly Wage per job title (\$)	Total Hourly Wage per job title (\$)	Average Hourly Wage (\$)
<b>Management and Administrative Employees</b>					
1	O&M Director	1	*****	*****	
2	Maintenance Manager	1	*****	*****	
3	Environmental Compliance Supervisor	1	*****	*****	
4	Safety Supervisor	1	*****	*****	
5	Plant Accountant	1	*****	*****	
6	Purchasing Agent	1	*****	*****	
7	Administrative Assistant	1	*****	*****	
8	Operations Supervisor	1	*****	*****	
9					
10					
<b>TOTAL 1</b>		<b>8</b>		<b>0</b>	<b>\$0.00</b>

### Permanent Employees, excluding Management and Administrative Employees

1	Control Operator	4	*****	*****	
2	Mechanical Technician	3	*****	*****	
3	I&C Technician	2	*****	*****	
4	Electrical Technician	3	*****	*****	
5	Site Operator	8	*****	*****	
6	Warehouse Technician	1	*****	*****	
7					
8					
9					
10					
<b>TOTAL 2</b>		<b>21</b>		<b>\$0.00</b>	<b>\$0.00</b>

### PART TIME EMPLOYEES

#### Management and Administrative Employees

1					
2					
3					
4					
5					
<b>TOTAL 3</b>					

State of Nevada  
 Renewable Energy Tax Abatement Application  
 AFN 12-0426G

**Permanent Employees, excluding Management and Administrative Employees**

1					
2					
3					
4					
5					
<b>TOTAL 4</b>					
<b>TOTAL = TOTAL 1 + TOTAL 2 + TOTAL 3 + TOTAL 4</b>		<b>29</b>		<b>0</b>	<b>\$ -</b>
<b>TOTAL ANNUAL PAYROLL</b>					

State of Nevada  
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11. Supplemental Information

**Please respond to each question. Answers to the questions will assist Department of Taxation staff in determining whether the facility should be locally or centrally assessed. Other questions will assist staff in understanding whether the reported replacement costs capture all aspects of taxable value.**

**1) Will you have a possessory interest in any governmentally owned property for this facility? Please describe if yes.**

**A portion of the Facility will be developed on federal lands (BLM and BOR) for which Patua has issued geothermal leases.**

**2) Do you anticipate making any concessions in the contract sales price for energy to account for discounted lease rates? Describe the nature of the concessions.**

**No**

**3) Will the facility, including generation, transmission, or distribution cross state or county boundaries? Please describe if yes.**

**Yes, plant will be located in Churchill County, several geothermal wells are located in Lyon County. The transmission line will also cross into Lyon County, where the interconnection substation is located.**

**4) Will the facility have long-term power purchase agreement (PPA) contracts with a utility?**

**Yes, Sacramento Municipal Utility District. (SMUD)**

**5) Will the contract(s) provide for the sale of renewable portfolio energy credits (PEC) to a utility? Please describe if yes**

**Yes. All PECs, RECs and other green attributes associated with the power sold to SMUD will also be delivered to SMUD as a bundled power/RECs product. Patua shall retain any excess PECs or RECs and may choose to sell those to other utilities.**

**6) Will the contract(s) provide for a long-term fixed rate for the sale of energy? Please describe if yes**

**Yes. The PPA has a long-term fixed rate, with minor escalation annually.**

**7) Is the facility owned by a subsidiary of a company that is interstate or intercounty in nature? Name and location of the subsidiary company, if yes.**

**Yes. Gradient Resources Inc., a Colorado corporation is the sole member and parent company of Patua Project, LLC. Gradient Resources is headquartered in Reno, NV.**

**8) Is the company and/or facility subject to regulation by the PUCN or FERC?**

**Yes. The PUCN has issued a permit to construct under UEPA laws, and FERC must certify the project as a Qualifying Facility (QF) and/or Exempt Wholesale Generator (EWG).**

**9) At what physical point is the ownership of energy transferred? Describe the location and nature of the connection to the transmission grid.**

State of Nevada  
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11. Supplemental Information

The facility will interconnect to the transmission grid at Eagle substation, in Fernley, NV, via a ten mile radial interconnection line (120 kV). Energy will be transferred to a power marketing affiliate at the power plant and then to NV Energy at Eagle substation. NV Energy will transmit the power to Hilltop substation in Northern California, where SMUD takes ownership.

10) Will the facility be eligible for other abatements or exemptions such as pollution control exemptions? Please describe if  
yes  
No

11) Has your company applied and/or been approved for any abatements or exemptions for this facility or any other facility by the State of Nevada and/or local governments? If yes, list the abatements awarded, name and location of the project, name of the awardee, date of approval, amounts and status of the accounts.

The parent company of Patua Project, LLC, Gradient Resources Inc, (formerly known as Vulcan Power Company) received an abatement from the Nevada Commission on Economic Development on May 20, 2009. This abatement did not apply to Patua Project, LLC.

State of Nevada  
 Renewable Energy Tax Abatement Application  
 AFN 12-0426G  
 12. Taxation Reporting Forms

Company : Patua Project LLC

Division:

Line No.	Schedule	Total Estimated RCNLD or Transaction Cost	Department Use Only
1	Sch. 1 Personal Property - Property Tax - Total from Col. J.	*****	
2	Sch. 2 Real Property - Improvements - Total from Col. F.	*****	
3	Sch. 3 Real Property - Land - Total from Col. I	*****	
4	Sch. 4 Operating Leases - Total from Col. F	*****	
5	Sch. 5 Contributions in Aid of Construction - Total from Col. F	*****	
6	Sch. 6 First Year Estimated Sales & Use Tax - Total from Col. J	*****	
7	Sch. 7 Second Year Estimated Sales & Use Tax - Total from Col. J	*****	
8	Sch. 8 Third Year Estimated Sales & Use Tax - Total from Col. J	*****	



State of Nevada  
Renewable Energy Tax Abatement Application  
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Company Name: Patua Project, LLC  
Division: \_\_\_\_\_

**Instructions:**

- (1) List each item of real property improvements subject to property tax in Col. A. Pursuant to NRS 361.035, real property includes all houses, buildings, fences, ditches, structures, erections, railroads, toll roads and bridges, or other improvements built or erected upon any land, whether such land is private property or public property, as well as mobile or manufactured homes converted to real property. Place all land on Schedule 3.
- (2) For each item in Col. A, complete the requested information in Col. B (if applicable), and Col. C through Col. F.
- (3) The total estimated cost reported in Col. F should include estimated or actual costs of labor, materials, supervision, contractors' profit and overhead, architects' plans and specifications, engineering plans, building permits, site preparation costs, sales taxes and insurance; costs of buying or assembling land such as escrow fees, legal fees, right of way costs, demolition, storm drains, rough grading or other land improvement costs, yard improvements including septic systems, signs, landscaping, paving, walls, yard lighting; off-site costs including roads, utilities, park fees, jurisdictional hookup, tap-in, impact or entitlement fees and assessments; and fixtures unique to the property.
- (4) Use Schedule 3 to report land; Schedule 4 to report operating leases; and Schedule 5 to report contributions in aid of construction.
- (5) Attach additional sheets as necessary.

A	B	C	D	E	F
Real Property Improvements Itemized Description	G/L Account No. (if applicable)	Estimated Date of Completion	Number of Units	Construction Cost Per Unit	Estimated Total Construction Cost
Wellpad fencing		12/1/2012			*****
Plant Fencing		3/1/2013			*****
Buildings		12/1/2012			*****
Concrete - Cast in place		9/1/2012			*****
Road Construction		7/1/2011			*****
Transmission line		12/1/2012			*****
<b>Grand Total</b>					\$ -



State of Nevada  
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Company: Patua Project LLC  
Division: \_\_\_\_\_

Show the requested data for all land, owned or leased, in Nevada.

Line #	Where Situated		Brief Description	Size of the Land (acre)	Date Acquired	Assessor's Parcel Number (APN)	Owned (O) Leased (L) Rented (R/d)	GIL Account Number (if applicable)	Purchase Price (if applicable)	Assessor's Taxable Value
	County	City or Town Tax District								
1	Churchill		T20N, R26E Sec. 04: All	719.23	11/1/2008	009-251-04	L	N/A	N/A	18,451.00
2	Lyon		T20N, R26E Sec. 07: All	636.04	9/30/2007	021-392-13	L		N/A	57,229.00
3	Churchill		T20N, R26E Sec. 08: E/2	320.00	11/1/2008	009-251-10	L		N/A	14,400.00
4	Lyon		T20N, R26E Sec. 08: W/2	320.00	11/1/2008	021-392-03	L		N/A	48,000.00
5	Churchill		T20N, R26E Sec. 09: All	640.00	9/30/2007	009-251-11	L		N/A	2,286.00
6	Churchill		T20N, R26E Sec. 10: All	640.00	11/1/2008	009-251-12	L		N/A	17,280.00
7	Churchill		T20N, R26E Sec. 15: All	640.00	9/30/2007	009-251-17	L		N/A	17,280.00
8	Churchill		T20N, R26E Sec. 18: All	640.00	11/1/2008	009-251-18	L		N/A	17,280.00
9	Churchill		T20N, R26E Sec. 17: E/2	320.00	9/30/2007	009-251-19	L		N/A	1,143.00
10	Lyon		T20N, R26E Sec. 17: W/2	320.00	9/30/2007	021-392-14	L		N/A	172,800.00
11	Lyon		T20N, R26E Sec. 19: N/2	430.38	9/30/2007	021-392-16, 17 & 18	L		N/A	564,171.00
12	Lyon		T20N, R26E Sec. 19: S/2 (geothermal resources only) No surface occupancy	160.00	1/10/2011	021-392-07	L		N/A	72,000.00
13	Churchill		T20N, R26E Sec. 20: E/2	308.14	11/1/2008	009-251-20	L		N/A	15,500.00
14	Lyon		T20N, R26E Sec. 20: W/2	308.14	11/1/2008	021-392-05	L		N/A	94,200.00
15	Churchill		T20N, R26E Sec. 21: All	631.28	9/30/2007	009-251-81 & 82	L		N/A	57,834.00
16	Churchill		T20N, R26E Sec. 22: All	640.00	11/1/2008	009-251-22	L		N/A	17,280.00
17	Churchill		T20N, R26E Sec. 27: All Except the Town of Hezen	480.00	9/30/2007	009-251-28	L		N/A	109,000.00
18	Churchill		T20N, R26E Sec. 28: All	640.00	11/1/2008	009-251-29	L		N/A	64,000.00
19	Churchill		T20N, R26E Sec. 29: SE	100.00	9/30/2007	009-251-43 through 60, 66	L		N/A	2,197,111.00
20	Lyon		T20N, R26E Sec. 29: SW	220.00	9/30/2007	through 69	L		N/A	100,829.00
21	Lyon		T20N, R26E Sec. 30: All	625.68	9/1/2006	021-392-06	L		N/A	93,857.00
22	Lyon		T20N, R26E Sec. 31: W/2, N/2SE, SWSE	427.40	2/28/2011	021-401-11 through 021-401-21	L		N/A	166,200.00
23	Lyon		T20N, R25E Sec. 23: SESE	40.00	4/11/2011	021-501-11	L		N/A	140,543.00
24	Lyon		T20N, R25E Sec. 36: NE/NE	40.00	9/8/2011	021-307-10	L		N/A	146,229.00
25	Lyon		T20N, R25E Sec. 36: S/2NE	80.00	3/8/2011	021-307-11	L		N/A	164,986.00
26				10326.29						
27										
28										
29										
30										
<b>Grand Total</b>										<b>4,429,889.00</b>



State of Nevada  
Renewable Energy Tax Abatement Application  
AFN 12-0426G

Company Name: \_\_\_\_\_  
Division: \_\_\_\_\_

**Instructions:**

- (1) List all contributions in aid of construction (CIAC). CIAC is defined in NAC 361.260 as property which has been contributed to a utility by a prospective customer or which has been constructed by the utility and paid for by the prospective customer for which no reimbursement is required to be made by the utility to the prospective customer as a prerequisite to obtaining service.
- (2) For each item in Col. A, complete the requested information in Col. B (if applicable), and Col. C through Col. F.
- (3) The total estimated cost reported in Col. E and Col. F should contain the costs appropriate to real or personal property. For definitions, please refer to Schedule 1 for personal property and Schedule 2 for Improvements.
- (4) Attach additional sheets as necessary.

A	B	C	D	E	F
<b>Contributions in Aid of Construction (CIAC) Itemized Description</b>	<b>GI/L Account No. (if applicable)</b>	<b>Real or Personal Property?</b>	<b>Number of Units</b>	<b>Replacement Cost Per Unit</b>	<b>Estimated Total Replacement Cost</b>
N/A					
<b>Grand Total</b>					





State of Nevada  
Renewable Energy Tax Abatement Application  
AFN 12-0426G

Company Name: Patua Project, LLC

Division: \_\_\_\_\_

**Instructions:**

- (1) List each item of personal property or materials and supplies subject to sales and use tax in Col. A. Refer to NRS Chapter 372 for taxable events.
- (2) For each item in Col. A, complete the requested information in Col. B (if applicable), and Col. C through Col. J.
- (3) Multiply Col. F times Col. G and report the result in Col. H. Find the appropriate sales/use tax rate on the Department of Taxation's website at <http://tax.state.nv.us>. Then scroll to "Quick Links" and select "Sales/Use Tax Rate Map". Place the rate in Col. I.
- (4) Multiply Col. H times Col. I and place the result in Col. J.
- (5) Attach additional sheets as necessary.

A	B	C	D	E	F	G	H	I	J
Personal Property or Materials and Supplies Itemized Description	G/L Account No. (if applicable)	Purchased by Facility Owner (FO) Contractor (C) Subcontractor (SC)	Date Purchased	Date Received or Estimated Receipt in	Number of Units	Price Per Unit	Total Transaction Cost	Applicable Sales Tax Rate	Estimated Sales Tax Paid or to be Paid
Wellfield Maintenance		FO		06/14 to 05/15			*****	7.60%	*****
Plant Maintenance - Other		FO		06/14 to 05/15			*****	7.60%	*****
Parts		FO		06/14 to 05/15			*****	7.60%	*****
Consumables		FO		06/14 to 05/15			*****	7.60%	*****
<b>Grand Total</b>									<b>\$</b>

State of Nevada  
Renewable Energy Tax Abatement Application  
AFN 12-0426G  
13.Names and Contact Information for Construction Company

NOTE: Project contractors, subcontractors, and other entities including owner that will be purchasing goods and equipment for the construction of the Facility are entitled to claim or receive the sales and use tax abatement

NOTE: Our main contractor is SAIC constructors, and they pay all of their subcontractors directly. We will have other subcontractors to be determined and added at a later date.

**Contractors and Subcontractors List**

<b>Vendor 1</b>	SAIC Constructors
<b>Tax ID</b>	20-1659922
<b>Contact</b>	Jack Stopyra
<b>Mailing Address</b>	622 Emerson Road, Suite 600 St. Louis, MO 63141
<b>E-Mail</b>	john.s.stopyra.ir@saic.com

<b>Vendor 2</b>	Caribou Construction
<b>Tax ID</b>	82-0472478
<b>Contact</b>	Breck Glassinger
<b>Mailing Address</b>	127 Bridon Way Jerome, ID 83338
<b>E-Mail</b>	breck@caribouinc.com

<b>Vendor</b>	
<b>Tax ID</b>	
<b>Contact</b>	
<b>Mailing Address</b>	
<b>E-Mail</b>	

<b>Vendor 3</b>	
<b>Tax ID</b>	
<b>Contact</b>	
<b>Mailing Address</b>	
<b>E-Mail</b>	

<b>Vendor 4</b>	
<b>Tax ID</b>	
<b>Contact</b>	
<b>Mailing Address</b>	
<b>E-Mail</b>	

<b>Vendor 5</b>	
<b>Tax ID</b>	
<b>Contact</b>	
<b>Mailing Address</b>	
<b>E-Mail</b>	

<b>Vendor 6</b>	
<b>Tax ID</b>	
<b>Contact</b>	
<b>Mailing Address</b>	
<b>E-Mail</b>	

State of Nevada  
Renewable Energy Tax Abatement Application  
AFN 12-0426G



I, \_\_\_\_\_, by signing this Application, I do hereby attest and affirm under penalty of perjury the following:

- (1) I have the legal capacity to submit this Application on behalf of the applicant;
- (2) I have prepared and personally knowledgeable regarding the contents of this Application; and
- (3) The content of this Application are true, correct, and complete.

\_\_\_\_\_  
Name of person authorized for signature:

\_\_\_\_\_  
Signature:

\_\_\_\_\_  
Title:

\_\_\_\_\_  
Date:



State of Nevada  
Renewable Energy Tax Abatement  
AFN:

This Application contains confidential information: Yes  No

If yes, please identify any information in the within Application or documents submitted herewith, which Applicant considers confidential or trade secret information. Further, identify: (1) the applicable statutory authority or agreement preventing public disclosure of the information; and (2) Applicant's rationale underlying non-disclosure of the information or document(s).

Applicant acknowledges that the burden of demonstrating confidentiality or trade secret status lies with the Applicant, and Applicant agrees to defend and indemnify the State and its agencies for honoring such designation. Notwithstanding, Applicant understands that the over-inclusive designation of information or documents as confidential or trade secret may cause the Nevada State Office of Energy to conduct further inquiry of the Applicant into the confidentiality of the information, potentially delaying submission of the Application to the Nevada Energy Director.

*Material for which confidentiality is claimed:*

Estimated total capital investment  
Proprietary information in attachment 1. Description of Technology  
10. Employment Information  
12. Taxation Reporting Forms

*Basis for claims of confidentiality:*

Applicant objects to publication of the items listed for the reason that the Applicant is engaged in the production of electricity for sale on a wholesale basis to electric utility companies who then resell to their residential and commercial customers at rates generally set by a public body (such as the public utility commission or the city council if it is a municipal utility system). Wholesale power sales contracts are only awarded after competitive bidding. The competitive advantage claimed by Applicant is its proprietary information from drilling and production costs at the geothermal well field and power plant operations, its equipment procurement costs, its labor costs, and reported profits from operations. Applicant claims these information items to be confidential so that it will be capable of competitive bidding for sales of its renewable electricity.

**Exhibit (D)**

Energy Related Tax Incentive Fiscal Note as required by NRS 701A.375-1(a) by  
the Budget Division of the State of Nevada Department of Administration, received on August  
20, 2012



**DEPARTMENT OF ADMINISTRATION**

209 E. Musser Street, Room 200  
Carson City, Nevada 89701-4298  
(775) 684-0222  
Fax (775) 684-0260  
<http://www.nevadabudget.org>

**BUDGET DIVISION**  
**ENERGY-RELATED TAX INCENTIVE FISCAL NOTE**  
**FOR**  
**Gradient Resources, Inc., Patua Phase II Project**  
as required by NRS 701A.375-1(a)

August 20, 2012

Prepared by: Janet Rogers for Jeff Mohlenkamp, Budget Division Director

Based on the information submitted by the applicant and provided to the Department of Administration by the Nevada State Office of Energy, the Budget Division estimates that the energy-related sales and use tax incentives provided to Gradient Resources, Inc., Patua Phase II Project renewable energy project will result in the State foregoing the following revenues:

**STATE SALES AND USE TAX ABATED —**

The Gradient Resources, Inc., Patua Phase II Project project application indicates they will purchase items subject to Nevada's 2.0% state sales and use tax totaling \$117,958,814. Given this information, the General Fund will be impacted by an abatement totaling \$2,359,177, less any applicable collection allowance.

<u>Fiscal Year</u>	<u>Expenditure Subject to Abatement</u>	<u>Amount Abated</u>
FY 2012	\$ 113,246,054	\$ 2,264,921
FY 2013	\$ 2,356,380	\$ 47,128
FY 2014	\$ 2,356,380	\$ 47,128
Total	\$117,958,814	\$ 2,359,177

## **Exhibit (E)**

Fiscal Impact Renewable Energy Partial Abatement of Property and Sales/Use Taxes as required by NRS 701A.375-1(b) by the State of Nevada Department of Taxation, received on August 17, 2012



BRIAN SANDOVAL  
*Governor*  
ROBERT R. BARENGO  
*Chair, Nevada Tax Commission*  
CHRISTOPHER G. NIELSEN  
*Executive Director*

**STATE OF NEVADA  
DEPARTMENT OF TAXATION**

**Web Site: <http://tax.state.nv.us>**

1550 College Parkway, Suite 115  
Carson City, Nevada 89706-7937  
Phone: (775) 684-2000 Fax: (775) 684-2020

RENO OFFICE  
4600 Kietzke Lane  
Building L, Suite 235  
Reno, Nevada 89502  
Phone: (775) 687-9999  
Fax: (775) 688-1303

LAS VEGAS OFFICE  
Grant Sawyer Office Building, Suite 1300  
555 E. Washington Avenue  
Las Vegas, Nevada 89101  
Phone: (702) 486-2300 Fax: (702) 486-2373

HENDERSON OFFICE  
2550 Paseo Verde Parkway, Suite 180  
Henderson, Nevada 89074  
Phone: (702) 486-2300  
Fax: (702) 486-3377

**FISCAL IMPACT  
Renewable Energy Partial Abatement  
Of Property and Sales and Use Taxes**

**Gradient Resources, Inc., Patua Phase II Project  
Geothermal Operation**

***Background***

Gradient Resources, Inc. explores for and develops geothermal resources and has been in existence since 1991. The company plans on producing electricity from a new geothermal resource project located in Churchill and Lyon Counties, Nevada. Construction began during the third quarter in 2011 and is expected to be operational by the end of 2012.

The company has a long-term power purchase agreement (PPA) with the Sacramento Metropolitan Utility District (SMUD) in California. The project will interconnect to the transmission grid at Eagle substation in Fernley NV, via an eight to ten mile radial interconnection line (120 kV). Energy will be transferred to a power marketing affiliate at the power plant and then to NV Energy at Eagle substation. NV Energy will then transmit the power to Hilltop substation in Northern California, where SMUD takes ownership.

The proposed project is located approximately 7 miles east of Fernley, Nevada in Lyon and Churchill Counties, accessed generally from U.S. Alt. 50 onto Farm District Road, Jersey Lane, and California Road. The well fields, including pads and geothermal fluid pipelines, access roads, power plant, and transmission line are located on lands managed by Reclamation, BLM, and on private lands.<sup>1</sup> The power plant will be built in Churchill County but the majority of the well fields and pipelines will be located in Lyon County under the Option 1 scenario.

The assets will include four new temperature gradient holes (TGH), each about 1,000 feet deep; 19 new well pads and multiple wells, about 13.8 miles of geothermal fluid pipeline and access roads, and 7.33 miles of transmission lines in Lyon County and .87 miles of transmission lines in Churchill County.<sup>2</sup> A typical production well pad accommodates two or more wells as necessary and includes a step-down transformer, power distribution center which houses the motor control equipment, a utilities system enclosure which houses other auxiliary systems, a 400 square foot building to house

<sup>1</sup> BLM, Final Environmental Assessment, Gradient Resources, Inc., Patua Geothermal Project, Phase II, Geothermal Unit N-85168X, Section 1.1.2, April, 2012, p. 1-2.

<sup>2</sup> Ibid; and Department of Taxation, Wire-mile report submitted by GRI, 8-17-12

equipment, fencing, and a reserve pit for containment of mud and water runoff.<sup>3</sup> Each production well will be outfitted with a well pump and electrical and control systems.<sup>4</sup>

The collection and injection piping system will transport hot geothermal fluids from the production wells to the power plant and transport cooler geothermal fluids from the power plant to the injection wells. The pipeline will be designed to minimize the number of thermal expansion loops. Power for the pumps will be provided through electrical cable in cable trays and fiber optic cable will be included in the cable tray system to provide field communications.<sup>5</sup>

The power plant will use a binary power plant design in which the power block receives geothermal brine from the well field, converts the heat of the geothermal brine into electrical power, and pumps the brine back to the well field. There will be up to six generation modules. The power block consists of one turbine per generation module, gearboxes, electrical generators, working fluid cycle pumps, air-cooled condensers, geothermal brine injection pumps and switchyard.<sup>6</sup> There will also be air cooling systems, a fire protection system, ancillary buildings, substation, and transmission lines.<sup>7</sup>

### ***Property Tax Analysis***

Geothermal power plants are valued by the Department of Taxation (Department) under the authority of NRS 362.100(1)(b), which states that “the Department shall appraise and assess all reduction, smelting and milling works, plants and facilities, *whether or not associated with a mine*, all drilling rigs, and all supplies, machinery, equipment, apparatus, facilities, buildings, structures and other improvements used in connection with any mining, drilling, reduction, smelting or milling operation as provided in chapter 361 of NRS.”

NRS 361.320(1) states that the Nevada Tax Commission shall establish the valuation of any property of an interstate or inter-county nature used directly in the operation of all interstate or inter-county “electric light and power companies.” NRS 361.320(11) defines a “company” as “any person, company, corporation or association engaged in the business described.” An “electric light and power” business, however, is not defined in NRS or NAC Chapter 361. In lieu of a definition, the Department presumes that licensure or permits granted by FERC or the NPUC is prima facie evidence that the company is in the business of providing electric light and power. Based on the fact that the project is generally located in two counties and transmits its product across interstate boundaries, the Department concludes that NRS 361.320(1) applies.

NRS 361.320(2) requires the Nevada Tax Commission to fix the valuation of all physical property used in the operation of the electric light and power company business as a *collective unit*. Once the valuation is established for the unit, the Nevada Tax Commission then “determines the total aggregate mileage operated (by the company) within the state and within its several counties and apportion the mileage upon a mile-unit valuation basis.”

Once the collective unit has been determined, the valuation of the collective unit may proceed. NRS 361.320(4) requires that “after establishing the valuation, as a collective unit, of an electric light and power company that places a facility into operation on or after July 1, 2003, in a county whose population is less than 100,000, the Nevada Tax Commission shall segregate the value of the facility

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<sup>3</sup> BLM, Final Environmental Assessment, Gradient Resources, Inc., Patua Geothermal Project, Phase II, Geothermal Unit N-85168X, Section 2.1.1, April, 2012, p. 2-7.

<sup>4</sup> BLM, Final Environmental Assessment, Gradient Resources, Inc., Patua Geothermal Project, Phase II, Geothermal Unit N-85168X, Section 2.1.1, April, 2012, p. 2-11.

<sup>5</sup> BLM, Final Environmental Assessment, Gradient Resources, Inc., Patua Geothermal Project, Phase II, Geothermal Unit N-85168X, Section 2.1.1, April, 2012, p. 2-16.

<sup>6</sup> BLM, Final Environmental Assessment, Gradient Resources, Inc., Patua Geothermal Project, Phase II, Geothermal Unit N-85168X, Section 2.1.1, April, 2012, p. 2-27.

<sup>7</sup> BLM, Final Environmental Assessment, Gradient Resources, Inc., Patua Geothermal Project, Phase II, Geothermal Unit N-85168X, Section 2.1.1, April, 2012, p. 2-30.

from the collective unit. This value must be assessed in the county where the facility is located and taxed at the same rate as other property." Based on the advice of the Attorney General, the Department finds that the term "facility" as used in NRS 361.320(4) includes transmission lines as well as power plants.

"Facility" is not a defined term in NRS chapter 361. However, canons of legislative interpretation require that a court "give [a statute's] terms their plain meaning, considering its provisions as a whole so as to read them in a way that would not render words or phrases superfluous or make a provision nugatory." *G.C. Wallace, Inc. v. Eighth Judicial Dist. Court of State*, 2011 WL 4634179 (Nev.), 127 Nev. Adv. Op. 64 at p. 3 (October 6, 2011).

According to Black's Law Dictionary, 5<sup>th</sup> Ed., 1979, a "facility" is "something that is built or installed to perform some particular function, but it also means something that promotes the ease of any action or course of action." In the context of other statutory provisions or other regulations concerning electric power, "facilities," includes power generation, power transmission lines, and the associated microwave radio control towers and substations. See, e.g., 18 C.F.R. § 292.101 (referenced in NRS 361.320(6), concerning "qualifying facilities") and NRS 701A.360(1). In short, the word "facility" has a plain meaning that is broad and which, in the context of electric power, would include transmission lines and associated control and conversion property, absent any contextual language suggesting such a limitation.

The context in subsection 4 of NRS 361.320 does not limit "facility" to power transmission lines. It applies to any facility placed into operation on or after July 1, 2003 in a county with a population of 100,000 or less. In marked contrast is subsection 3 of the same statute, in which the Legislature very specifically selected power generation for separate assessment. Subsection 3 demonstrates that when the legislature intended separate treatment of different components of the process of bringing electricity to the consumer, it was specific in showing its intent to do so.

In short, under a plain reading of NRS 361.320(4), "facility" includes transmission lines and associated microwave radio control towers and substations. For purposes of this fiscal note, the amount segregated from the value of the collective unit was the amount reported as the budgeted amount of expenditures in each county. For actual future valuations, the applicant will have to report the book cost of real and personal property located in each individual county. In the event any future taxable value of the collective unit is something different than the overall book cost, the difference will be allocated to each county on the basis of each county's proportionate book cost to the collective unit book cost.

The Department did not adjust upward the reported acquisition cost to reflect any appreciation of improvements over the twenty year period. The Department used the 2012-2013 tax rate for each Tax District where facilities of the Project are located without further adjustment. Under current law, if the assessed value increases, the project is also subject to the tax abatement afforded under NRS 361.4722, which limits tax dollar increases to no more than 8% per year.

The calculation of the renewable energy abatement contained in the attached spreadsheets takes into account the required distribution of remaining taxes after abatement as between the State of Nevada Renewable Energy Fund and local governments, in the proportion of 45/55. Stated another way, 55% of the total taxes generated by the estimated taxable value is abated. Of the remaining 45% of tax dollars, 45% is distributed to the State of Nevada Renewable Energy Fund and 55% is distributed to local governments. The calculation assumes the State of Nevada loses the 17 cent per hundred levy for the State debt fund.

### ***Estimate of Property Tax Abatement***

Based on the assumptions and conditions noted above, the estimated fiscal impact for the duration of the abatement for 20 years is as follows:

Allocated taxable value to Churchill County in 2012:	\$125,786,547
Allocated taxable value to Churchill County in 2031:	\$ 49,821,108
Allocated taxable value to Lyon County in 2012:	\$103,776,846
Allocated taxable value to Lyon County in 2031:	\$ 75,547,764

#### **Churchill County:**

Total Taxes Due, First Year After Completion:	\$ 1,233,985
Total Renewable Energy Abatement @ 55%:	\$ 678,692
Total Taxes Available to Local Governments and Energy Fund:	\$ 555,293
Total Taxes Available to Local Governments only	\$ 305,411

#### **Lyon County:**

Total Taxes Due, First Year After Completion:	\$ 1,234,327
Total Renewable Energy Abatement @ 55%:	\$ 678,880
Total Taxes Available to Local Governments and Energy Fund:	\$ 555,447
Total Taxes Available to Local Governments only	\$ 305,496

The amount of the abatement for each year thereafter approximates the amount obtained in the first year and continues during the period of abatement as follows:

#### **Churchill County:**

Total Taxes Due during Period of Abatement (20 years):	\$ 14,387,592
Total Renewable Energy Abatement, 20 years:	\$ 7,913,175
Total Taxes Available to Local Governments and Energy Fund:	\$ 6,582,614
Total Taxes Available to Local Governments only	\$ 3,669,127

#### **Lyon County:**

Total Taxes Due during Period of Abatement (20 years):	\$ 21,323,110
Total Renewable Energy Abatement, 20 years:	\$ 11,727,710
Total Taxes Available to Local Governments and Energy Fund:	\$ 10,489,445
Total Taxes Available to Local Governments only	\$ 6,171,516

See attached spreadsheets for the amounts by year and by local government entity.

### ***Sales Tax Analysis***

In accordance with the provisions NRS 701A of the Nevada Revised Statutes, Patua Project, LLC has requested a Sales and Use Tax Abatement for their Renewable Energy Project. This project is located in Churchill County. Upon approval, this project would be granted a partial abatement of Sales and Use Tax for a period of three years, commencing on the date of approval.

The Nevada State Office of Energy has provided to the Department of Taxation a completed copy of the Renewable Energy Tax Abatements Application for this project. According to Schedule 6 of this application, Patua Project, LLC will purchase a total of \$113,246,054.00 worth of tangible, personal property subject to Sales and/or Use Tax during the first year of the abatement period. At the current Sales or Use Tax rate for Churchill County, the full Sales Tax for these purchases would be \$8,606,700.10 less any applicable collection allowance.



According to Schedule 7 of this application form, Patua Project, LLC will purchase \$2,356,380.00 worth of tangible, personal property subject to Sales and/or Use Tax during the second year of the abatement period. Schedule 8 shows \$2,356,380.00 worth of tangible, personal property subject to Sales/and or Use Tax will be purchased during the third year.

Based on this information, the Department of Taxation projects the following Sales Tax related fiscal impact for the three years of the abatement period.

Sales Tax Component	Tax Rate	First Year	Second Year	Third Year	TOTAL
	7.6%/7.25%	July 1, 2012 - June 30, 2013	July 1, 2013 - June 30, 2014	July 1, 2014 - June 30, 2014	
Sales/Use Tax (General Fund)	2.00%	\$2,264,921.08	\$47,127.60	\$47,127.60	\$2,359,176.28
Local School Support Tax (sunsets June 30, 2013)	2.60%	\$2,944,397.40	\$0.00	\$0.00	\$3,050,434.50
Local School Support Tax (July 1, 2013)	2.25%	\$0.00	\$53,018.55	\$53,018.55	
Basic City Relief	0.50%	\$566,230.27	\$11,781.90	\$11,781.90	\$589,794.07
Supp. City County Relief	1.75%	\$1,981,805.95	\$41,236.65	\$41,236.65	\$2,064,279.25
County Option (through June 30, 2013)	0.750%	\$849,345.40	\$17,672.85	\$17,672.85	\$884,691.10

<b>Total Amount Abated (State &amp; Local/County):</b>	<b>1st year</b>	\$5,662,302.70
	<b>2nd year</b>	\$117,819.00
	<b>3rd year</b>	\$117,819.00
	<b>Total</b>	<u>\$5,897,940.70</u>

<b>Total Amount Abated (Local/County Only):</b>	<b>1st year</b>	\$3,397,381.62
	<b>2nd year</b>	\$70,691.40
	<b>3rd year</b>	\$70,691.40
	<b>Total</b>	<u>\$3,538,764.42</u>

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

GRADIENT RESOURCES Summary  
PATUA PROJECT LLC

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	14,387,591.73	(7,913,175.46)	6,474,416.27	100.000%	6,582,614.19	(10,718,464.86)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	872,628.58	(479,945.72)	392,682.86	6.065%	2,913,487.32	(872,628.58)	44.260%
Churchill County School District	0.013000	1	6,673,041.92	(3,670,173.06)	3,002,868.86	46.381%	1,758,216.28	(4,914,825.64)	0.000%
Churchill County(uniciporated	0.012229	1	6,277,279.21	(3,452,503.57)	2,824,775.64	43.630%	1,653,940.53	(4,623,338.68)	26.710%
Mosquito Abatement District	0.000800	1	410,648.74	(225,856.81)	184,791.93	2.854%	108,197.92	(302,450.82)	29.126%
Carson Water Subconservancy	0.000300	1	153,993.28	(84,696.30)	69,296.98	1.070%	108,197.92	(45,795.36)	1.644%
			-	-	-	0.000%	40,574.22	40,574.22	0.616%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
125,786,547	55.0%	100.0%	55.0%	(7,913,175.46)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,613,635	55.00%	2.08%	1.14%	(164,422.61)
IMPROVEMENTS	58,720,657	55.00%	46.68%	25.68%	(3,694,090.29)
PERSONAL PROP	64,452,255	55.00%	51.24%	28.18%	(4,054,662.56)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2012-13

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	74,843.00	(41,163.65)	33,679.35	6.085%	249,881.94	(74,843.00)	45.000%
Churchill County School District	0.013000	1	572,328.79	(314,780.83)	257,547.96	46.381%	150,797.46	(421,531.33)	27.156%
Churchill County	0.012229	1	538,385.29	(296,111.91)	242,273.38	43.630%	141,854.02	(396,531.27)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	35,220.23	(19,371.13)	15,849.10	2.854%	9,279.84	(25,940.39)	1.671%
Carson Water Subconservancy District	0.000300	1	13,207.59	(7,264.17)	5,943.42	1.070%	3,479.94	(9,727.65)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
125,786,547	55.0%	100.0%	55.0%	(678,691.69)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,613,635	55.00%	2.08%	1.14%	(14,102.08)
IMPROVEMENTS	58,720,657	55.00%	46.68%	25.68%	(316,832.15)
PERSONAL PROP	64,452,255	55.00%	51.24%	28.18%	(347,757.46)
		55.00%	0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2013-14

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	1,224,540.31	(673,497.18)	551,043.13	100.000%	551,043.14	(921,466.58)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	74,270.17	(40,848.59)	33,421.58	6.065%	247,969.41	(74,270.17)	45.000%
Churchill County School District	0.013000	1	567,948.34	(312,371.59)	255,576.75	46.381%	149,643.30	(418,305.04)	27.156%
Churchill County	0.012229	1	534,264.63	(293,845.55)	240,419.08	43.630%	140,768.30	(393,496.33)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	34,950.67	(19,222.87)	15,727.80	2.854%	9,208.82	(25,741.85)	1.671%
Carson Water Subconservancy District	0.000300	1	13,106.50	(7,208.58)	5,897.92	1.070%	3,453.31	(9,653.19)	0.627%
						0.000%	-	-	0.000%
						0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
124,823,811	55.0%	100.0%	55.0%	(673,497.18)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,665,907	55.00%	2.14%	1.17%	(14,384.12)
IMPROVEMENTS	57,839,848	55.00%	46.34%	25.49%	(312,079.68)
PERSONAL PROP	64,318,056	55.00%	51.53%	28.34%	(347,033.38)
		55.00%	0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2014-15

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	1,090,270.67	(599,648.87)	490,621.80	100.000%	490,621.81	(820,428.67)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	66,126.52	(36,369.59)	29,756.93	6.065%	220,779.81	(66,126.52)	45.000%
Churchill County School District	0.013000	1	505,673.36	(278,120.35)	227,553.01	46.381%	133,235.06	(372,438.30)	27.156%
Churchill County	0.012229	1	475,683.04	(261,625.67)	214,057.37	43.630%	125,333.20	(350,349.84)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	31,118.36	(17,115.10)	14,003.26	2.854%	8,199.08	(22,919.28)	1.671%
Carson Water Subconservancy District	0.000300	1	11,669.39	(6,418.16)	5,251.23	1.070%	3,074.66	(8,594.73)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
111,137,002	55.0%	100.0%	55.0%	(599,648.87)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,719,225	55.00%	2.45%	1.35%	(14,671.80)
IMPROVEMENTS	56,959,038	55.00%	51.25%	28.19%	(307,327.19)
PERSONAL PROP	51,458,739	55.00%	46.30%	25.47%	(277,649.87)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2015-16

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	985,291.63	(541,910.39)	443,381.24	100.000%	443,381.24	(741,431.95)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	59,759.38	(32,867.66)	26,891.72	6.065%	199,521.56	(59,759.38)	45.000%
Churchill County School District	0.013000	1	456,983.53	(251,340.94)	205,642.59	46.381%	120,406.24	(336,577.29)	27.156%
Churchill County	0.012229	1	429,880.89	(236,434.49)	193,446.40	43.630%	113,265.22	(316,615.67)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	28,122.06	(15,467.13)	12,654.93	2.854%	7,409.61	(20,712.45)	1.671%
Carson Water Subconservancy District	0.000300	1	10,545.77	(5,800.17)	4,745.60	1.070%	2,778.61	(7,767.16)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
100,435,940	55.0%	100.0%	55.0%	(541,910.39)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,773,610	55.00%	2.76%	1.52%	(14,965.24)
IMPROVEMENTS	56,078,228	55.00%	55.83%	30.71%	(302,574.70)
PERSONAL PROP	41,584,102	55.00%	41.40%	22.77%	(224,370.45)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2016-17

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	903,928.71	(497,160.79)	406,767.92	100.000%	406,767.92	(680,206.35)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	54,824.60	(30,153.53)	24,671.07	6.065%	183,045.56	(54,824.60)	45.000%
Churchill County School District	0.013000	1	419,246.97	(230,585.83)	188,661.14	46.381%	110,463.39	(308,783.58)	27.156%
Churchill County	0.012229	1	394,382.40	(216,910.32)	177,472.08	43.630%	103,912.06	(290,470.34)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	25,799.81	(14,189.90)	11,609.91	2.854%	6,797.75	(19,002.06)	1.671%
Carson Water Subconservancy District	0.000300	1	9,674.93	(5,321.21)	4,353.72	1.070%	2,549.16	(7,125.77)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
92,142,192	55.0%	100.0%	55.0%	(497,160.79)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,829,082	55.00%	3.07%	1.69%	(15,264.55)
IMPROVEMENTS	55,197,418	55.00%	59.90%	32.95%	(297,822.22)
PERSONAL PROP	34,115,692	55.00%	37.03%	20.36%	(184,074.03)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2017-18

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	830,287.24	(456,657.98)	373,629.26	100.000%	373,629.26	(624,791.15)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	50,358.14	(27,696.98)	22,661.16	6.065%	168,133.17	(50,358.14)	45.000%
Churchill County School District	0.013000	1	385,091.66	(211,800.41)	173,291.25	46.381%	101,464.13	(283,627.53)	27.156%
Churchill County	0.012229	1	362,252.76	(199,239.02)	163,013.74	43.630%	95,446.53	(266,806.23)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	23,697.95	(13,033.87)	10,664.08	2.854%	6,243.95	(17,454.00)	1.671%
Carson Water Subconservancy District	0.000300	1	8,886.73	(4,887.70)	3,999.03	1.070%	2,341.48	(6,545.25)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
84,635,530	55.0%	100.0%	55.0%	(456,657.98)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,885,664	55.00%	3.41%	1.88%	(15,569.84)
IMPROVEMENTS	54,316,608	55.00%	64.18%	35.30%	(293,069.74)
PERSONAL PROP	27,433,258	55.00%	32.41%	17.83%	(148,018.41)
			0.00%	0.00%	-



NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2018-19

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	775,906.76	(426,748.72)	349,158.04	100.000%	349,158.04	(583,869.84)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	47,059.88	(25,882.93)	21,176.95	6.065%	157,121.12	(47,059.88)	45.000%
Churchill County School District	0.013000	1	359,869.70	(197,928.34)	161,941.36	46.381%	94,818.64	(265,051.06)	27.156%
Churchill County	0.012229	1	338,526.66	(186,189.66)	152,337.00	43.630%	89,195.17	(249,331.49)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	22,145.83	(12,180.21)	9,965.62	2.854%	5,834.99	(16,310.84)	1.671%
Carson Water Subconservancy District	0.000300	1	8,304.69	(4,567.58)	3,737.11	1.070%	2,188.12	(6,116.57)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
79,092,242	55.0%	100.0%	55.0%	(426,748.72)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,943,377	55.00%	3.72%	2.05%	(15,881.23)
IMPROVEMENTS	53,435,798	55.00%	67.56%	37.16%	(288,317.26)
PERSONAL PROP	22,713,067	55.00%	28.72%	15.79%	(122,550.23)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2019-20

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	725,551.93	(399,053.56)	326,498.37	100.000%	326,498.37	(545,977.83)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	44,005.79	(24,203.18)	19,802.61	6.065%	146,924.27	(44,005.79)	45.000%
Churchill County School District	0.013000	1	336,514.86	(185,083.17)	151,431.69	46.381%	88,665.10	(247,849.76)	27.156%
Churchill County	0.012229	1	316,556.94	(174,106.32)	142,450.62	43.630%	83,406.57	(233,150.37)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	20,708.61	(11,389.74)	9,318.87	2.854%	5,456.31	(15,252.30)	1.671%
Carson Water Subconservancy District	0.000300	1	7,765.73	(4,271.15)	3,494.58	1.070%	2,046.12	(5,719.61)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
73,959,309	55.0%	100.0%	55.0%	(399,053.56)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,002,245	55.00%	4.06%	2.23%	(16,198.86)
IMPROVEMENTS	52,554,988	55.00%	71.06%	39.08%	(283,564.78)
PERSONAL PROP	18,402,076	55.00%	24.88%	13.68%	(99,289.92)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2020-21

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	687,998.70	(378,399.28)	309,599.42	100.000%	309,599.43	(517,719.01)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	41,728.13	(22,950.47)	18,777.66	6.065%	139,319.74	(41,728.13)	45.000%
Churchill County School District	0.013000	1	319,097.47	(175,503.61)	143,593.86	46.381%	84,075.96	(235,021.51)	27.156%
Churchill County	0.012229	1	300,172.54	(165,094.90)	135,077.64	43.630%	79,089.61	(221,082.93)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	19,636.77	(10,800.22)	8,836.55	2.854%	5,173.91	(14,462.86)	1.671%
Carson Water Subconservancy District	0.000300	1	7,363.79	(4,050.08)	3,313.71	1.070%	1,940.21	(5,423.58)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
70,131,312	55.0%	100.0%	55.0%	(378,399.28)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,062,289	55.00%	4.37%	2.40%	(16,522.83)
IMPROVEMENTS	51,674,179	55.00%	73.68%	40.53%	(278,812.30)
PERSONAL PROP	15,394,844	55.00%	21.95%	12.07%	(83,064.15)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2021-22

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	646,874.31	(355,780.87)	291,093.44	100.000%	291,093.44	(486,772.92)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	39,233.88	(21,578.63)	17,655.25	6.065%	130,992.05	(39,233.88)	45.000%
Churchill County School District	0.013000	1	300,023.76	(165,013.07)	135,010.69	46.381%	79,050.40	(220,973.36)	27.156%
Churchill County	0.012229	1	282,230.04	(155,226.52)	127,003.52	43.630%	74,362.11	(207,867.93)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	18,463.00	(10,154.65)	8,308.35	2.854%	4,864.64	(13,598.36)	1.671%
Carson Water Subconservancy District	0.000300	1	6,923.63	(3,808.00)	3,115.63	1.070%	1,824.24	(5,099.39)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
65,939,288	55.0%	100.0%	55.0%	(355,780.87)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,123,535	55.00%	4.74%	2.61%	(16,853.29)
IMPROVEMENTS	50,793,369	55.00%	77.03%	42.37%	(274,059.81)
PERSONAL PROP	12,022,384	55.00%	18.23%	10.03%	(64,867.77)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2022-23

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	598,307.29	(329,069.02)	269,238.27	100.000%	269,238.27	(450,226.24)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	36,288.22	(19,958.52)	16,329.70	6.065%	121,157.22	(36,288.22)	45.000%
Churchill County School District	0.013000	1	277,498.12	(152,623.97)	124,874.15	46.381%	73,115.33	(204,382.79)	27.156%
Churchill County	0.012229	1	261,040.34	(143,572.19)	117,468.15	43.630%	68,779.03	(192,261.31)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	17,076.81	(9,392.25)	7,684.56	2.854%	4,499.41	(12,577.40)	1.671%
Carson Water Subconservancy District	0.000300	1	6,403.80	(3,522.09)	2,881.71	1.070%	1,687.28	(4,716.52)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
60,988,597	55.0%	100.0%	55.0%	(329,069.02)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,189,006	55.00%	5.23%	2.88%	(17,206.55)
IMPROVEMENTS	49,912,559	55.00%	81.84%	45.01%	(269,307.34)
PERSONAL PROP	7,887,032	55.00%	12.93%	7.11%	(42,555.13)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2023-24

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	552,407.01	(303,823.87)	248,583.14	100.000%	248,583.13	(415,686.29)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	33,504.30	(18,427.37)	15,076.93	6.065%	111,862.41	(33,504.30)	45.000%
Churchill County School District	0.013000	1	256,209.32	(140,915.13)	115,294.19	46.381%	67,506.15	(188,703.17)	27.156%
Churchill County	0.012229	1	241,014.14	(132,557.78)	108,456.36	43.630%	63,502.52	(177,511.62)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	15,766.73	(8,671.70)	7,095.03	2.854%	4,154.22	(11,612.51)	1.671%
Carson Water Subconservancy District	0.000300	1	5,912.52	(3,251.89)	2,660.63	1.070%	1,557.83	(4,354.69)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
56,309,741	55.0%	100.0%	55.0%	(303,823.87)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,249,726	55.00%	5.77%	3.17%	(17,534.17)
IMPROVEMENTS	49,031,749	55.00%	87.08%	47.89%	(264,554.86)
PERSONAL PROP	4,028,266	55.00%	7.15%	3.93%	(21,734.84)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2024-25

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	544,403.74	(299,422.06)	244,981.68	100.000%	244,981.69	(409,663.81)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	33,018.89	(18,160.39)	14,858.50	6.065%	110,241.76	(33,018.89)	45.000%
Churchill County School District	0.013000	1	252,497.36	(138,873.55)	113,623.81	46.381%	66,528.13	(185,969.23)	27.156%
Churchill County	0.012229	1	237,522.33	(130,637.28)	106,885.05	43.630%	62,582.50	(174,939.83)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	15,538.30	(8,546.07)	6,992.23	2.854%	4,094.04	(11,444.26)	1.671%
Carson Water Subconservancy District	0.000300	1	5,826.86	(3,204.77)	2,622.09	1.070%	1,535.26	(4,291.60)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
55,493,926	55.0%	100.0%	55.0%	(299,422.06)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,314,721	55.00%	5.97%	3.29%	(17,884.85)
IMPROVEMENTS	48,150,939	55.00%	86.77%	47.72%	(259,802.37)
PERSONAL PROP	4,028,266	55.00%	7.26%	3.99%	(21,734.84)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2025-26

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	536,413.22	(295,027.28)	241,385.94	100.000%	241,385.94	(403,650.95)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	32,534.25	(17,893.84)	14,640.41	6.065%	108,623.67	(32,534.25)	45.000%
Churchill County School District	0.013000	1	248,791.32	(136,835.23)	111,956.09	46.381%	65,551.65	(183,239.67)	27.156%
Churchill County	0.012229	1	234,036.08	(128,719.84)	105,316.24	43.630%	61,663.94	(172,372.14)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	15,310.23	(8,420.63)	6,889.60	2.854%	4,033.95	(11,276.28)	1.671%
Carson Water Subconservancy District	0.000300	1	5,741.34	(3,157.74)	2,583.60	1.070%	1,512.73	(4,228.61)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
54,679,410	55.0%	100.0%	55.0%	(295,027.28)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,381,015	55.00%	6.18%	3.40%	(18,242.55)
IMPROVEMENTS	47,270,129	55.00%	86.45%	47.55%	(255,049.89)
PERSONAL PROP	4,028,266	55.00%	7.37%	4.05%	(21,734.84)
			0.00%	0.00%	-



NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2026-27

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	528,435.69	(290,639.64)	237,796.05	100.000%	237,796.05	(397,647.86)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	32,050.40	(17,627.72)	14,422.68	6.065%	107,008.22	(32,050.40)	45.000%
Churchill County School District	0.013000	1	245,091.30	(134,800.22)	110,291.08	46.381%	64,576.77	(180,514.53)	27.156%
Churchill County	0.012229	1	230,555.50	(126,805.53)	103,749.97	43.630%	60,746.87	(169,808.63)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	15,082.54	(8,295.40)	6,787.14	2.854%	3,973.96	(11,108.58)	1.671%
Carson Water Subconservancy District	0.000300	1	5,655.95	(3,110.77)	2,545.18	1.070%	1,490.23	(4,165.72)	0.627%
			-	-	-	0.000%	-	-	0.000%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
53,866,220	55.0%	100.0%	55.0%	(290,639.64)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,448,635	55.00%	6.40%	3.52%	(18,607.40)
IMPROVEMENTS	46,389,319	55.00%	86.12%	47.37%	(250,297.40)
PERSONAL PROP	4,028,266	55.00%	7.48%	4.11%	(21,734.84)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2027-28

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	520,471.47	(286,259.32)	234,212.15	100.000%	234,212.14	(391,654.80)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	31,567.36	(17,362.05)	14,205.31	6.065%	105,395.47	(31,567.36)	45.000%
Churchill County School District	0.013000	1	241,397.45	(132,768.60)	108,628.85	46.381%	63,603.51	(177,793.94)	27.156%
Churchill County	0.012229	1	227,080.72	(124,894.40)	102,186.32	43.630%	59,831.33	(167,249.39)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	14,855.23	(8,170.38)	6,684.85	2.854%	3,914.06	(10,941.17)	1.671%
Carson Water Subconservancy District	0.000300	1	5,570.71	(3,063.89)	2,506.82	1.070%	1,467.77	(4,102.94)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
53,054,384	55.0%	100.0%	55.0%	(286,259.32)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,517,608	55.00%	6.63%	3.65%	(18,979.55)
IMPROVEMENTS	45,508,510	55.00%	85.78%	47.18%	(245,544.93)
PERSONAL PROP	4,028,266	55.00%	7.59%	4.18%	(21,734.84)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2028-29

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	512,520.75	(281,886.42)	230,634.33	100.000%	230,634.33	(385,671.87)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	31,085.14	(17,096.83)	13,988.31	6.085%	103,785.45	(31,085.14)	45.000%
Churchill County School District	0.013000	1	237,709.86	(130,740.42)	106,969.44	46.381%	62,631.91	(175,077.95)	27.156%
Churchill County	0.012229	1	223,611.84	(122,986.51)	100,625.33	43.630%	58,917.35	(164,694.49)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	14,628.30	(8,045.57)	6,582.73	2.854%	3,894.27	(10,774.03)	1.671%
Carson Water Subconservancy District	0.000300	1	5,485.61	(3,017.09)	2,468.52	1.070%	1,445.35	(4,040.26)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
52,243,926	55.0%	100.0%	55.0%	(281,886.42)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,587,960	55.00%	6.87%	3.78%	(19,359.13)
IMPROVEMENTS	44,627,700	55.00%	85.42%	46.98%	(240,792.44)
PERSONAL PROP	4,028,266	55.00%	7.71%	4.24%	(21,734.84)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2029-30

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	504,583.84	(277,521.10)	227,062.74	100.000%	227,062.73	(379,699.34)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	30,603.75	(16,832.06)	13,771.69	6.065%	102,178.23		45.000%
Churchill County School District	0.013000	1	234,028.68	(128,715.77)	105,312.91	46.381%	61,661.99	(30,603.75)	0.000%
Churchill County	0.012229	1	220,148.98	(121,081.94)	99,067.04	43.630%	58,004.96	(172,366.69)	27.156%
Churchill County Mosquito Abatement District	0.000800	1	14,401.77	(7,920.97)	6,480.80	2.854%	3,794.58	(162,144.02)	25.546%
Carson Water Subconservancy District	0.000300	1	5,400.66	(2,970.36)	2,430.30	1.070%	1,422.97	(10,607.19)	1.671%
			-	-	-	0.000%	-	(3,977.69)	0.627%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
51,434,875	55.0%	100.0%	55.0%	(277,521.10)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,659,719	55.00%	7.12%	3.91%	(19,746.31)
IMPROVEMENTS	43,746,890	55.00%	85.05%	46.78%	(236,039.94)
PERSONAL PROP	4,028,266	55.00%	7.83%	4.31%	(21,734.84)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 200

EXCLUDES STATE DEBT

2030-31

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	496,661.01	(273,163.56)	223,497.45	100.000%	223,497.45	(373,737.41)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	30,123.22	(16,567.77)	13,555.45	6.065%	100,573.85		45,000%
Churchill County School District	0.013000	1	230,354.03	(126,694.72)	103,659.31	46.381%	60,693.79	(169,660.24)	27,156%
Churchill County	0.012229	1	216,692.27	(119,180.75)	97,511.52	43.630%	57,094.18	(159,598.09)	25,546%
Churchill County Mosquito Abatement District	0.000800	1	14,175.63	(7,796.60)	6,379.03	2.854%	3,735.00	(10,440.63)	1.671%
Carson Water Subconservancy District	0.000300	1	5,315.86	(2,923.72)	2,392.14	1.070%	1,400.63	(3,915.23)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
50,627,260	55.0%	100.0%	55.0%	(273,163.56)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,732,914	55.00%	7.37%	4.06%	(20,141.25)
IMPROVEMENTS	42,866,080	55.00%	84.67%	46.57%	(231,287.47)
PERSONAL PROP	4,028,266	55.00%	7.96%	4.38%	(21,734.84)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

CHURCHILL COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 200

EXCLUDES STATE DEBT

2031-32

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.028029	488,752.55	(268,813.90)	219,938.65	100.000%	219,938.65	(367,786.29)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	29,643.56	(16,303.96)	13,339.60	6.065%	98,972.39	(29,643.56)	45.000%
Churchill County School District	0.013000	1	226,686.04	(124,677.32)	102,008.72	46.381%	59,727.35	(166,958.69)	27.156%
Churchill County	0.012229	1	213,241.82	(117,283.00)	95,958.82	43.630%	56,185.06	(157,056.76)	25.546%
Churchill County Mosquito Abatement District	0.000800	1	13,949.91	(7,672.45)	6,277.46	2.854%	3,675.53	(10,274.38)	1.671%
Carson Water Subconservancy District	0.000300	1	5,231.22	(2,877.17)	2,354.05	1.070%	1,378.32	(3,852.90)	0.627%
			-	-	-	0.000%	-	-	0.000%
			-	-	-	0.000%	-	-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
49,821,108	55.0%	100.0%	55.0%	(268,813.90)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	3,807,572	55.00%	7.64%	4.20%	(20,544.07)
IMPROVEMENTS	41,985,270	55.00%	84.27%	46.35%	(226,534.99)
PERSONAL PROP	4,028,266	55.00%	8.09%	4.45%	(21,734.84)
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

GRADIENT RESOURCES Summary  
PATUA PROJECT LLC

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	1,066,688.86	(586,678.87)	480,009.99	5.003%	4,317,929.79	(1,066,688.86)	41.165%
Lyon County School District	1.336700	1	8,387,311.67	(4,613,021.42)	3,774,290.25	39.334%	2,185,172.94	(6,202,138.73)	20.832%
Lyon County	0.864400	1	5,423,799.06	(2,983,089.48)	2,440,709.58	25.436%	1,413,079.59	(4,010,719.47)	13.471%
Ferley	0.546900	1	3,431,600.76	(1,887,380.42)	1,544,220.34	16.093%	894,045.85	(2,537,554.91)	8.523%
Ferley Swimming Pool District	0.200000	1	1,254,928.06	(690,210.43)	564,717.63	5.885%	894,045.85	(360,882.21)	8.523%
North Lyon Fire Maint. District	0.280300	1	1,758,781.67	(967,329.92)	791,451.75	8.248%	326,950.39	(1,431,831.28)	3.117%
			-	-	-	0.000%	458,220.97	458,220.97	4.368%

\$ 6,171,515.59

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
74,071,274	55.0%	100.0%	55.0%	(11,727,710.54)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,698,859	55.00%	3.64%	2.00%	(427,310.55)
IMPROVEMENTS	71,372,415	55.00%	96.36%	53.00%	(11,300,399.99)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2012-13

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,234,326.99	(678,879.84)	555,447.15	100.000%	555,447.15	(928,831.06)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	61,747.22	(33,960.97)	27,786.25	5.003%	249,951.22	(61,747.22)	0.000%
Lyon County	0.013367	1	485,514.79	(267,033.13)	218,481.66	39.334%	126,492.71	(359,022.08)	22.773%
Lyon County	0.008644	1	313,966.47	(172,681.56)	141,284.91	25.436%	81,798.68	(232,167.79)	14.727%
Femley	0.005469	1	198,644.45	(109,254.45)	89,390.00	16.093%	51,753.47	(146,890.98)	9.317%
Femley Swimming Pool District	0.002000	1	72,643.79	(39,954.08)	32,689.71	5.885%	18,926.12	(53,717.67)	3.407%
North Lyon Fire Maintenance District	0.002803	1	101,810.27	(55,995.65)	45,814.62	8.248%	26,524.95	(75,285.32)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
103,776,846	55.0%	100.0%	55.0%	(678,879.84)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	1,816,254	55.00%	1.75%	0.96%	(11,881.44)
IMPROVEMENTS	101,960,592	55.00%	98.25%	54.04%	(666,998.40)
PERSONAL PROP		55.00%	0.00%	0.00%	-
		55.00%	0.00%	0.00%	-

305,495.93



NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2013-14

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,216,588.21	(669,112.52)	547,455.69	100.000%	547,455.69	(915,467.58)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	60,858.84	(33,472.36)	27,386.48	5.003%	246,355.06	(60,858.84)	45.000%
Lyon County	0.013367	1	478,529.48	(263,191.21)	215,338.27	39.334%	124,672.80	(353,856.68)	22.773%
Lyon County	0.008644	1	309,449.30	(170,197.12)	139,252.18	25.436%	80,621.81	(228,827.49)	14.727%
Fernley	0.005469	1	195,786.47	(107,662.56)	88,103.91	16.093%	51,008.87	(144,777.60)	9.317%
Fernley Swimming Pool District	0.002000	1	71,598.63	(39,379.25)	32,219.38	5.885%	18,653.82	(52,944.81)	3.407%
North Lyon Fire Maintenance District	0.002803	1	100,345.49	(55,190.02)	45,155.47	8.248%	26,143.33	(74,202.16)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
102,283,764	55.0%	100.0%	55.0%	(669,112.52)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	1,852,580	55.00%	1.81%	1.00%	(12,119.07)
IMPROVEMENTS	100,431,184	55.00%	98.19%	54.00%	(656,993.45)
PERSONAL PROP		55.00%	0.00%	0.00%	-
		55.00%	0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2014-15

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,198,818.02	(659,349.92)	539,468.10	100.000%	539,468.11	(902,110.56)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
Renewable Energy Fund									
State of Nevada	0.001700	1	59,970.89	(32,983.99)	26,986.90	5.003%	242,760.65	(59,970.89)	45.000%
Lyon County	0.013367	1	471,547.55	(259,351.15)	212,196.40	39.334%	122,853.78	(348,693.77)	22.773%
Lyon County	0.008644	1	304,934.32	(167,713.88)	137,220.44	25.436%	79,445.51	(225,488.81)	14.727%
Fernley	0.005469	1	192,929.87	(106,111.43)	86,818.44	16.093%	50,264.63	(142,665.24)	9.317%
Fernley Swimming Pool District	0.002000	1	70,553.98	(38,804.69)	31,749.29	5.885%	18,381.65	(52,172.33)	3.407%
North Lyon Fire Maintenance District	0.002803	1	98,881.41	(54,384.78)	44,496.63	8.248%	25,761.89	(73,119.52)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
100,791,406	55.0%	100.0%	55.0%	(659,349.92)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	1,889,631	55.00%	1.87%	1.03%	(12,361.45)
IMPROVEMENTS	98,901,775	55.00%	98.13%	53.97%	(646,988.47)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2015-16

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,181,076.66	(649,592.17)	531,484.49	100.000%	531,484.49	(888,760.19)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	59,083.38	(32,495.86)	26,587.52	5.003%	239,168.02	(59,083.38)	45.000%
Lyon County	0.013367	1	464,569.10	(255,513.01)	209,056.09	39.334%	121,035.66	(343,533.44)	22.773%
Lyon County	0.008644	1	300,421.58	(165,231.87)	135,189.71	25.436%	78,269.79	(222,151.79)	14.727%
Femley	0.005469	1	190,074.69	(104,541.08)	85,533.61	16.093%	49,520.76	(140,553.93)	9.317%
Femley Swimming Pool District	0.002000	1	69,509.85	(38,230.42)	31,279.43	5.885%	18,109.62	(51,400.23)	3.407%
North Lyon Fire Maintenance District	0.002803	1	97,418.06	(53,579.93)	43,838.13	8.248%	25,380.64	(72,037.42)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
99,299,790	55.0%	100.0%	55.0%	(649,592.17)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	1,927,424	55.00%	1.94%	1.07%	(12,608.68)
IMPROVEMENTS	97,372,366	55.00%	98.06%	53.93%	(636,983.49)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2016-17

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,163,344.28	(639,839.36)	523,504.92	100.000%	523,504.92	(875,416.57)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	58,196.31	(32,007.97)	26,188.34	5.003%	235,577.21	(58,196.31)	45.000%
Lyon County	0.013367	1	457,594.18	(251,676.80)	205,917.38	39.334%	119,218.46	(338,375.72)	22.773%
Lyon County	0.008644	1	295,911.13	(162,751.12)	133,160.01	25.436%	77,094.67	(218,816.46)	14.727%
Ferley	0.005469	1	187,220.96	(102,971.53)	84,249.43	16.093%	48,777.27	(138,443.69)	9.317%
Ferley Swimming Pool District	0.002000	1	68,466.25	(37,656.44)	30,809.81	5.865%	17,837.73	(50,628.52)	3.407%
North Lyon Fire Maintenance District	0.002803	1	95,955.45	(52,775.50)	43,179.95	8.248%	24,999.58	(70,955.87)	4.775%
				-	-	0.000%		-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
97,808,929	55.0%	100.0%	55.0%	(639,839.36)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	1,965,972	55.00%	2.01%	1.11%	(12,860.85)
IMPROVEMENTS	95,842,957	55.00%	97.99%	53.89%	(626,978.51)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

# NEVADA DEPARTMENT OF TAXATION

## RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 600

### EXCLUDES STATE DEBT

Gradient Resources Inc 2017-18

# LYON COUNTY

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,145,621.11	(630,091.60)	515,529.51	100.000%	515,529.52	(862,079.87)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	57,309.71	(31,520.34)	25,789.37	5.003%	231,988.28	(57,309.71)	45.000%
Lyon County	0.013367	1	450,622.88	(247,842.58)	202,780.30	39.334%	117,402.21	(333,220.67)	22.773%
Lyon County	0.008644	1	291,403.02	(160,271.66)	131,131.36	25.436%	75,920.16	(215,482.86)	14.727%
Femley	0.005469	1	184,368.71	(101,402.79)	82,965.92	16.093%	48,034.17	(136,334.54)	9.317%
Femley Swimming Pool District	0.002000	1	67,423.19	(37,082.75)	30,340.44	5.885%	17,565.98	(49,857.21)	3.407%
North Lyon Fire Maintenance District	0.002803	1	94,493.60	(51,971.48)	42,522.12	8.248%	24,618.72	(69,874.88)	4.775%
				-	-	0.000%		-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
96,318,840	55.0%	100.0%	55.0%	(630,091.60)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,005,292	55.00%	2.08%	1.15%	(13,118.07)
IMPROVEMENTS	94,313,548	55.00%	97.92%	53.85%	(616,973.53)
PERSONAL PROP		55.00%	0.00%	0.00%	-
		0.00%	0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2018-19

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,127,907.26	(620,348.99)	507,558.27	100.000%	507,558.27	(848,750.21)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	56,423.57	(31,032.96)	25,390.61	5.003%	228,401.22	(56,423.57)	45.000%
Lyon County	0.013367	1	443,655.25	(244,010.39)	199,644.86	39.334%	115,586.91	(328,068.34)	22.773%
Lyon County	0.008644	1	286,897.28	(157,793.50)	129,103.78	25.436%	74,746.26	(212,151.02)	14.727%
Femley	0.005469	1	181,517.96	(99,834.88)	81,683.08	16.093%	47,291.45	(134,226.51)	9.317%
Femley Swimming Pool District	0.002000	1	66,380.68	(36,509.37)	29,871.31	5.885%	17,294.37	(49,086.31)	3.407%
North Lyon Fire Maintenance District	0.002803	1	93,032.52	(51,167.89)	41,864.63	8.248%	24,238.06	(68,794.46)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
94,829,537	55.0%	100.0%	55.0%	(620,348.99)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,045,398	55.00%	2.16%	1.19%	(13,380.44)
IMPROVEMENTS	92,784,139	55.00%	97.84%	53.81%	(606,968.55)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2019-20

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,110,202.95	(610,611.62)	499,591.33	100.000%	499,591.34	(835,427.71)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	55,537.92	(30,545.86)	24,992.06	5.003%	224,816.10	(55,537.92)	45.000%
Lyon County	0.013367	1	436,691.37	(240,180.25)	196,511.12	39.334%	113,772.59	(322,918.78)	22.773%
Lyon County	0.008644	1	282,393.97	(155,316.68)	127,077.29	25.436%	73,573.00	(208,820.97)	14.727%
Femley	0.005469	1	178,668.74	(98,267.81)	80,400.93	16.093%	46,549.14	(132,119.60)	9.317%
Femley Swimming Pool District	0.002000	1	65,338.73	(35,936.30)	29,402.43	5.885%	17,022.91	(48,315.82)	3.407%
North Lyon Fire Maintenance District	0.002803	1	91,572.22	(50,364.72)	41,207.50	8.248%	23,857.60	(67,714.62)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
93,341,036	55.0%	100.0%	55.0%	(610,611.62)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,086,306	55.00%	2.24%	1.23%	(13,648.05)
IMPROVEMENTS	91,254,730	55.00%	97.76%	53.77%	(596,963.57)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2020-21

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,092,508.38	(600,879.61)	491,628.77	100.000%	491,628.78	(822,112.55)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	54,652.75	(30,059.01)	24,593.74	5.003%	221,232.95	(54,652.75)	45.000%
Lyon County	0.013367	1	429,731.32	(236,352.23)	193,379.09	39.334%	111,959.27	(317,772.05)	22.773%
Lyon County	0.008644	1	277,893.13	(152,841.22)	125,051.91	25.436%	72,400.38	(205,492.75)	14.727%
Femley	0.005469	1	175,821.10	(96,701.61)	79,119.49	16.093%	45,807.23	(130,013.87)	9.317%
Femley Swimming Pool District	0.002000	1	64,297.35	(35,363.54)	28,933.81	5.885%	16,751.59	(47,545.76)	3.407%
North Lyon Fire Maintenance District	0.002803	1	90,112.73	(49,562.00)	40,550.73	8.248%	23,477.36	(66,635.37)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
91,853,353	55.0%	100.0%	55.0%	(600,879.61)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,128,032	55.00%	2.32%	1.27%	(13,921.01)
IMPROVEMENTS	89,725,321	55.00%	97.68%	53.73%	(586,956.60)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-



NEVADA DEPARTMENT OF TAXATION

RENEWABLE ENERGY ABATEMENT WORKSHEET

LYON COUNTY

DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2021-22

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,074,823.71	(591,153.03)	483,670.68	100.000%	483,670.68	(808,804.84)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	53,768.07	(29,572.44)	24,195.63	5.003%	217,651.81	(53,768.07)	45.000%
Lyon County	0.013367	1	422,775.17	(232,526.34)	190,248.83	39.334%	110,146.96	(312,628.21)	22.773%
Lyon County	0.008644	1	273,394.82	(150,367.15)	123,027.67	25.436%	71,228.42	(202,166.40)	14.727%
Fermeley	0.005469	1	172,975.04	(95,136.27)	77,838.77	16.093%	45,065.74	(127,909.30)	9.317%
Fermeley Swimming Pool District	0.002000	1	63,256.55	(34,791.10)	28,465.45	5.885%	16,480.43	(46,776.12)	3.407%
North Lyon Fire Maintenance District	0.002803	1	88,654.06	(48,759.73)	39,894.33	8.248%	23,097.32	(65,556.74)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
90,366,504	55.0%	100.0%	55.0%	(591,153.03)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,170,592	55.00%	2.40%	1.32%	(14,199.42)
IMPROVEMENTS	88,195,912	55.00%	97.60%	53.68%	(576,953.61)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2022-23

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,057,149.20	(581,432.07)	475,717.13	100.000%	475,717.13	(795,504.78)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	52,883.90	(29,086.15)	23,797.75	5.003%	214,072.71	(52,883.90)	45.000%
Lyon County	0.013367	1	415,823.01	(228,702.66)	187,120.35	39.334%	108,335.69	(307,487.32)	22.773%
Lyon County	0.008644	1	268,899.09	(147,894.50)	121,004.59	25.436%	70,057.13	(198,841.96)	14.727%
Femley	0.005469	1	170,130.62	(93,571.84)	76,558.78	16.093%	44,324.67	(125,805.95)	9.317%
Femley Swimming Pool District	0.002000	1	62,216.36	(34,219.00)	27,997.36	5.885%	16,209.42	(46,006.94)	3.407%
North Lyon Fire Maintenance District	0.002803	1	87,196.22	(47,957.92)	39,238.30	8.248%	22,717.51	(64,478.71)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
88,880,508	55.0%	100.0%	55.0%	(581,432.07)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,214,004	55.00%	2.49%	1.37%	(14,483.41)
IMPROVEMENTS	86,666,504	55.00%	97.51%	53.63%	(566,948.66)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2023-24

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,039,485.01	(571,716.75)	467,768.26	100.000%	467,768.27	(782,212.46)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	52,000.25	(28,600.14)	23,400.11	5.003%	210,495.72	(52,000.25)	45.000%
Lyon County	0.013367	1	408,874.91	(224,881.20)	183,993.71	39.334%	106,525.48	(302,349.43)	22.773%
Lyon County	0.008644	1	264,405.98	(145,423.29)	118,982.69	25.436%	68,886.53	(195,519.45)	14.727%
Ferrelly	0.005469	1	167,287.86	(92,008.32)	75,279.54	16.093%	43,584.04	(123,703.82)	9.317%
Ferrelly Swimming Pool District	0.002000	1	61,176.77	(33,647.22)	27,529.55	5.885%	15,938.58	(45,238.19)	3.407%
North Lyon Fire Maintenance District	0.002803	1	85,739.24	(47,156.58)	38,582.66	8.248%	22,337.92	(63,401.32)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
87,395,379	55.0%	100.0%	55.0%	(571,716.75)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,256,284	55.00%	2.58%	1.42%	(14,773.08)
IMPROVEMENTS	85,137,095	55.00%	97.42%	53.58%	(556,943.67)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2024-25

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,021,831.35	(562,007.24)	459,824.11	100.000%	459,824.11	(768,928.09)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
Slate of Nevada	0.001700	1	51,117.13	(28,114.42)	23,002.71	5.003%	206,920.85	(51,117.13)	45.000%
Lyon County	0.013367	1	401,930.95	(221,062.02)	180,868.93	39.334%	104,716.35	(297,214.60)	22.773%
Lyon County	0.008644	1	259,915.55	(142,953.55)	116,962.00	25.436%	67,716.62	(192,198.93)	14.727%
Femley	0.005469	1	164,446.80	(90,445.74)	74,001.06	16.093%	42,843.85	(121,602.95)	9.317%
Femley Swimming Pool District	0.002000	1	60,137.80	(33,075.79)	27,062.01	5.885%	15,667.89	(44,469.91)	3.407%
North Lyon Fire Maintenance District	0.002803	1	84,283.12	(46,355.72)	37,927.40	8.248%	21,958.55	(62,324.57)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
85,911,136	55.0%	100.0%	55.0%	(562,007.24)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,303,450	55.00%	2.68%	1.47%	(15,068.54)
IMPROVEMENTS	83,607,686	55.00%	97.32%	53.53%	(546,938.70)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2025-26

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW. ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	1,004,188.43	(552,303.64)	451,884.79	100.000%	451,884.80	(755,651.79)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	50,234.54	(27,629.00)	22,605.54	5.003%	203,348.16	(50,234.54)	45.000%
Lyon County	0.013367	1	394,991.22	(217,245.17)	177,746.05	39.334%	102,908.32	(292,082.90)	22.773%
Lyon County	0.008644	1	255,427.85	(140,485.32)	114,942.53	25.436%	66,547.43	(188,880.42)	14.727%
Femley	0.005469	1	161,607.47	(88,884.11)	72,723.36	16.093%	42,104.11	(119,503.36)	9.317%
Femley Swimming Pool District	0.002000	1	59,099.46	(32,504.70)	26,594.76	5.885%	15,397.37	(43,702.09)	3.407%
North Lyon Fire Maintenance District	0.002803	1	82,827.89	(45,555.34)	37,272.55	8.248%	21,579.41	(61,248.48)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
84,427,796	55.0%	100.0%	55.0%	(552,303.64)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,349,519	55.00%	2.78%	1.53%	(15,369.91)
IMPROVEMENTS	82,078,277	55.00%	97.22%	53.47%	(536,933.73)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2026-27

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	986,556.45	(542,606.06)	443,950.39	100.000%	443,950.40	(742,383.73)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	49,352.50	(27,143.88)	22,208.62	5.003%	199,777.68	(49,352.50)	45.000%
Lyon County	0.013367	1	388,055.80	(213,430.69)	174,625.11	39.334%	101,101.41	(286,954.39)	22.773%
Lyon County	0.008644	1	250,942.94	(138,018.62)	112,924.32	25.436%	65,378.96	(185,563.98)	14.727%
Femley	0.005469	1	158,769.89	(87,323.44)	71,446.45	16.093%	41,364.82	(117,405.07)	9.317%
Femley Swimming Pool District	0.002000	1	58,061.76	(31,933.97)	26,127.79	5.885%	15,127.02	(42,934.74)	3.407%
North Lyon Fire Maintenance District	0.002803	1	81,373.56	(44,755.46)	36,618.10	8.248%	21,200.51	(60,173.05)	4.775%
				-	-	0.000%		-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
82,945,377	55.0%	100.0%	55.0%	(542,606.06)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,396,509	55.00%	2.89%	1.59%	(15,677.31)
IMPROVEMENTS	80,548,868	55.00%	97.11%	53.41%	(526,928.75)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2027-28

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	968,935.68	(532,914.62)	436,021.06	100.000%	436,021.06	(729,124.10)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	48,471.02	(26,659.06)	21,811.96	5.003%	196,209.48	(48,471.02)	45.000%
Lyon County	0.013367	1	381,124.77	(209,618.62)	171,506.15	39.334%	99,295.65	(281,829.12)	22.773%
Lyon County	0.008644	1	246,460.88	(135,553.48)	110,907.40	25.436%	64,211.24	(182,249.64)	14.727%
Femley	0.005469	1	155,934.12	(85,763.77)	70,170.35	16.093%	40,626.01	(115,308.11)	9.317%
Femley Swimming Pool District	0.002000	1	57,024.73	(31,363.60)	25,661.13	5.885%	14,856.83	(42,167.90)	3.407%
North Lyon Fire Maintenance District	0.002803	1	79,920.16	(43,956.09)	35,964.07	8.248%	20,821.85	(59,098.31)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
81,463,898	55.0%	100.0%	55.0%	(532,914.62)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,444,439	55.00%	3.00%	1.65%	(15,990.85)
IMPROVEMENTS	79,019,459	55.00%	97.00%	53.35%	(516,923.77)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

# NEVADA DEPARTMENT OF TAXATION

## RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 600

### EXCLUDES STATE DEBT

Gradient Resources Inc 2028-29

# LYON COUNTY

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	951,326.28	(523,229.46)	428,096.82	100.000%	428,096.83	(715,873.02)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	47,590.11	(26,174.56)	21,415.55	5.003%	192,643.57	(47,590.11)	45.000%
Lyon County	0.013367	1	374,198.23	(205,809.03)	168,389.20	39.334%	97,491.05	(276,707.18)	22.773%
Lyon County	0.008644	1	241,981.71	(133,089.94)	108,891.77	25.436%	63,044.26	(178,937.45)	14.727%
Femley	0.005469	1	153,100.18	(84,205.10)	68,895.08	16.093%	39,887.68	(113,212.50)	9.317%
Femley Swimming Pool District	0.002000	1	55,988.36	(30,793.60)	25,194.76	5.885%	14,586.83	(41,401.53)	3.407%
North Lyon Fire Maintenance District	0.002803	1	78,467.69	(43,157.23)	35,310.46	8.248%	20,443.44	(58,024.25)	4.775%
				-	-	0.000%		-	0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
79,983,378	55.0%	100.0%	55.0%	(523,229.46)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,493,328	55.00%	3.12%	1.71%	(16,310.67)
IMPROVEMENTS	77,490,050	55.00%	96.88%	53.29%	(506,918.79)
PERSONAL PROP		55.00%	0.00%	0.00%	-
		-	0.00%	0.00%	-



NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2029-30

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	933,728.56	(513,550.71)	420,177.85	100.000%	420,177.84	(702,630.75)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	46,709.78	(25,680.38)	21,019.40	5.003%	189,080.03	(46,709.78)	45.000%
Lyon County	0.013367	1	367,276.27	(202,001.95)	165,274.32	39.334%	95,687.65	(271,588.62)	22.773%
Lyon County	0.008644	1	237,505.51	(130,628.03)	106,877.48	25.436%	61,878.06	(175,627.45)	14.727%
Femley	0.005469	1	150,268.12	(82,647.47)	67,620.65	16.093%	39,149.83	(111,118.29)	9.317%
Femley Swimming Pool District	0.002000	1	54,952.69	(30,223.98)	24,728.71	5.885%	14,317.00	(40,635.69)	3.407%
North Lyon Fire Maintenance District	0.002803	1	77,016.19	(42,358.90)	34,657.29	8.248%	20,065.27	(56,950.92)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
78,503,836	55.0%	100.0%	55.0%	(513,550.71)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,543,195	55.00%	3.24%	1.78%	(16,636.89)
IMPROVEMENTS	75,960,641	55.00%	96.76%	53.22%	(496,913.82)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2030-31

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	916,142.67	(503,878.48)	412,264.19	100.000%	412,264.20	(689,397.36)	100.000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	45,830.05	(25,206.53)	20,623.52	5.003%	185,518.89	(45,830.05)	45.000%
Lyon County	0.013367	1	360,358.98	(198,197.44)	162,161.54	39.334%	93,885.47	(266,473.51)	22.773%
Lyon County	0.008644	1	233,032.32	(128,167.78)	104,864.54	25.436%	60,712.65	(172,319.67)	14.727%
Fernley	0.005469	1	147,437.96	(81,090.88)	66,347.08	16.093%	38,412.48	(109,025.48)	9.317%
Fernley Swimming Pool District	0.002000	1	53,917.70	(29,654.74)	24,262.96	5.885%	14,047.35	(39,870.35)	3.407%
North Lyon Fire Maintenance District	0.002803	1	75,565.66	(41,561.11)	34,004.55	8.248%	19,687.36	(55,878.30)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
77,025,292	55.0%	100.0%	55.0%	(503,878.48)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,594,059	55.00%	3.37%	1.85%	(16,969.63)
IMPROVEMENTS	74,431,233	55.00%	96.63%	53.15%	(486,908.85)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

NEVADA DEPARTMENT OF TAXATION

LYON COUNTY

RENEWABLE ENERGY ABATEMENT WORKSHEET

DISTRICT 600

EXCLUDES STATE DEBT

Gradient Resources Inc 2031-32

COMBINED TAX RATE	TOTAL TAXES DUE	TOTAL RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TAXES AFTER ABATEMENT	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
0.033983	898,568.88	(494,212.89)	404,355.99	100.0000%	404,356.00	(676,173.08)	100.0000%

TAXING ENTITY	TAX RATE	SCHOOL SWITCH	TOTAL TAXES DUE	RENEW ABATEMENT	TAXES AFTER ABATEMENT	PERCENT TOTAL TAXES	NET TAXES DUE ENTITIES	EFFECTIVE ABATEMENT	EFFECTIVE PERCENT TOTAL TAXES
<b>Renewable Energy Fund</b>									
State of Nevada	0.001700	1	44,950.92	(24,723.01)	20,227.91	5.003%	181,960.20	(44,950.92)	45.000%
Lyon County	0.013367	1	353,446.44	(194,395.54)	159,050.90	39.334%	92,084.52	(261,361.92)	22.773%
Lyon County	0.008644	1	228,562.21	(125,709.22)	102,852.99	25.436%	59,548.04	(169,014.17)	14.727%
Fernley	0.005469	1	144,609.75	(79,535.36)	65,074.39	16.093%	37,675.64	(106,934.11)	9.317%
Fernley Swimming Pool District	0.002000	1	52,883.43	(29,085.89)	23,797.54	5.885%	13,777.89	(39,105.54)	3.407%
North Lyon Fire Maintenance District	0.002803	1	74,116.13	(40,763.87)	33,352.26	8.248%	19,309.71	(54,806.42)	4.775%
						0.000%			0.000%

NET TAXABLE VALUE	AVERAGE ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
75,547,764	55.0%	100.0%	55.0%	(494,212.89)

ASSET	TOTAL TAXABLE VALUE	ABATEMENT PERCENTAGE	TAXABLE VALUE PERCENTAGE	WEIGHTED RENEW ABATEMENT PERCENTAGE	CURRENT YEAR ABATEMENT
LAND	2,645,940	55.00%	3.50%	1.93%	(17,309.02)
IMPROVEMENTS	72,901,824	55.00%	96.50%	53.07%	(476,903.87)
PERSONAL PROP		55.00%	0.00%	0.00%	-
			0.00%	0.00%	-

**Exhibit (F)**

Lyon County Board of Commissioners letter of Approval dated September 7, 2012



## BOARD OF COUNTY COMMISSIONERS

### LYON COUNTY NEVADA

27 South Main Street  
Yerington, Nevada 89447  
Phone: (775)463-6531 Fax: (775)463-6533

Virgil Arellano  
Ray Fierro  
Vida Keller  
Joe Mortensen  
Chuck Roberts

Jeff Page  
County Manager

September 7, 2012

Stacey Crowley, Director  
755 N. Roop Street, Suite 202  
Carson City, NV 89701

Dear Director Crowley:

The Lyon County Board of Commissioners, at their regularly scheduled meeting of September 6, 2012, heard the following item:

Discussion and possible action to approve or deny partial abatement of local sales and use tax and taxes imposed pursuant to NRS 361 in reference to an application with the Nevada State Office of Energy for the Gradient Resources Patua Project Application Filing Number 12-04026G

Please accept this letter as approval from the Lyon County Board of Commissioners regarding the above application.

Please call me if you have any questions or need additional information.

Sincerely,

Jeff Page  
County Manager

C: Governor's Office of Economic Development, 808 W. Nye Lane, Carson City, NV 89703

**RECEIVED**

SEP 11 2012

NEVADA STATE OFFICE  
OF ENERGY

## **Exhibit (G)**

Churchill County Board of Commissioners letter of Approval dated July 23, 2012, from the  
Office of the District Attorney of Churchill County

ARTHUR E. MALLORY  
DISTRICT ATTORNEY



Fallon (775) 423-6561  
Fax (775) 423-6528  
E-mail: amallory@churchillda.org

**OFFICE OF THE DISTRICT ATTORNEY  
OF CHURCHILL COUNTY**

July 23, 2012

Suzanne Martens  
Revolving Loan Analyst  
Nevada State Office of Energy  
755 N. Roop Street, Ste. 202  
Carson City, NV 89701

**Re: Tax abatement request from Gradient Resources Patua Project,  
Filing 12-0426G**

Dear Ms. Martens:

Churchill County has entered an Agreement with Gradient Resources regarding the Patua Projects. Pursuant to that Agreement Churchill County supports the tax abatement request currently before your agency. This matter was discussed by the Board of County Commissioners at their meeting on July 18, 2012, wherein the Board reiterated their intent to comply with the requirements of the Agreement and support this abatement request.

Enclosed with this letter, please find a copy of the agenda report from the July 18, 2012, Commissioners meeting. While the minutes of that meeting have not been approved by the Board, it is clear from the agenda report that the Board moved to support the tax abatement application. Unfortunately, the letter that was subsequently sent to your office did not adequately state the County's support. Please accept this letter, along with the enclosed record of the action of the County Commissioners as proof of the County's approval of the tax abatement application.

Churchill County desires to officially participate in the hearing on the abatement request, and the support stated in this letter is conditional upon the County verifying that the abatement application and all materials in support thereof comply with the Agreement entered into between Churchill County and Gradient Resources.

Sincerely,

A handwritten signature in black ink, appearing to read "Craig Mingay".

Craig Mingay  
Chief Civil Deputy District Attorney

Enclosure

**RECEIVED**

AUG 30 2012

NEVADA STATE OFFICE  
OF ENERGY

## **Exhibit (H)**

Pre-filed Testimony of Mr. Matthew P. Anderson of Patua Project, LLC



Application No. 12-0426G

Direct Testimony of

**MATTHEW P. ANDERSON**

On behalf of

**PATUA PROJECT, LLC**

**Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS**

A. My name is Matthew P. Anderson and my business address is 9670 Gateway Dr., Suite 200, Reno, Nevada, 89521.

**Q. BY WHOM AND IN WHAT CAPACITY ARE YOU EMPLOYED?**

A. I am the Corporate Controller for Gradient Resources, Inc, a Colorado corporation (“Gradient”)

**Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?**

A. Patua Project, LLC (“Patua”). Gradient is the sole member of Patua Project, LLC.

**Q. DOES ATTACHMENT 1 ACCURATELY DESCRIBE YOUR BACKGROUND AND EXPERIENCE?**

A. Yes.

**Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS PROCEEDING?**

A. The purpose of my testimony is to support Patua’s request for partial tax abatements for its Patua Facility project located in Churchill and Lyon Counties, Nevada (the “Project”) by providing specific information related to the Project to assist the Director of the Nevada State Office of Energy in considering the application for partial tax abatements.

**Q. WHAT TYPE OF ABATEMENTS IS PATUA REQUESTING FOR THE PROJECT?**

A. Patua is requesting a partial abatement of the sales and use tax for tangible personal property purchased for the Project, and the property tax on the real and personal property associated with the Project.

**Q. WERE YOU INVOLVED IN PREPARING PATUA'S APPLICATION FOR THE PARTIAL ABATEMENTS?**

A. Yes.

**Q. ARE YOU FAMILIAR WITH THE INFORMATION IN THE APPLICATION?**

A. Yes.

**Q. IS THE INFORMATION IN THAT APPLICATION TRUE AND CORRECT TO THE BEST OF YOUR KNOWLEDGE AND BELIEF?**

A. Yes.

**Q. WILL THE PROJECT BE OWNED OR OPERATED BY A GOVERNMENTAL ENTITY?**

A. No.

**Q. HAVE YOU APPLIED FOR OR ARE YOU RECEIVING ANY OTHER TAX ABATEMENT OR EXEMPTION FOR THE PROJECT?**

A. No.

**Q. HOW MUCH CAPITAL WILL BE INVESTED IN THE PROJECT?**

A. The Project will make a capital investment in the State of Nevada of approximately \$275,200,000.

**Q. HOW MANY PEOPLE WILL BE EMPLOYED DURING THE SECOND QUARTER OF CONSTRUCTION OF THE PROJECT?**

A. During the second quarter of construction, the Project will employ at least 50 full-time employees working on the construction of the Project. It is estimated that the project will employ 89 full-time employees working on the construction of the Project during the second quarter of construction.

**Q. WHAT PERCENTAGE OF THE CONSTRUCTION EMPLOYEES WILL BE NEVADA RESIDENTS?**

A. At least 30% of the construction employees will be Nevada residents.

**Q. WHAT WILL BE THE AVERAGE HOURLY WAGE FOR CONSTRUCTION EMPLOYEES, EXCLUDING MANAGEMENT AND ADMINISTRATIVE EMPLOYEES?**

A. The average hourly wage of the construction employees, excluding management and administrative employees will be at least 150% of the average hourly statewide rate. The expected average hourly wage is expected to be approximately \$41.35.

**Q. WILL THE CONSTRUCTION EMPLOYEES BE PROVIDED A HEALTH INSURANCE PLAN WITH AN OPTION FOR COVERAGE OF THE DEPENDENTS OF EMPLOYEES?**

A. Yes.

**Q. HOW MANY PERMANENT EMPLOYEES WILL BE EMPLOYED BY THE PROJECT AFTER IT BEGINS OPERATION?**

A. The Project expects to employ 29 permanent employees after it begins operations.

**Q. WHAT WILL BE THE AVERAGE WAGE OF THESE EMPLOYEES AND WILL THEY RECEIVE BENEFITS?**

A. The full-time employees working at the Project once it becomes operational will be paid an average of at least 110% of the average hourly statewide rate, excluding management and administrative employees. The expected average hourly wage is expected to be

approximately \$29.44 per hour. Full-time employees will receive health insurance benefits, including an option for coverage of their dependants.

**Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

A. Yes.

## **ATTACHMENT 1**

### **BACKGROUND AND EXPERIENCE**

**Matthew Anderson, Corporate Controller.** Mr. Anderson is a CPA and has been with Gradient Resources Inc. for over two years. During this time Mr. Anderson has been highly involved in the process of developing the Patua Project capital, operating, and maintenance budgets as well as project costing, forecasting, and financial reporting for both Gradient and the Patua Project. Mr. Anderson has been closely involved in working with SAIC Constructors, the Engineering, Procurement, and Construction contractor engaged to construct the Patua Project power plant. Mr. Anderson is responsible for overseeing the Payroll, Purchasing, and Accounts Payable departments for Gradient, this requires him to remain updated and familiar with all areas of operations at both Gradient and the Patua Project.

Prior to Gradient, Mr. Anderson spent four years as an external auditor with Deloitte and Touche LLP, one of the leading big four accounting firms that specializes in external financial audits of large public utilities as well as private energy producers. Mr. Anderson's focus in the Energy and Resources industry came about primarily from his role at Deloitte as the lead audit senior for a large public utility (NV Energy). Mr. Anderson holds both a Masters of Accountancy and a Bachelors of Science in Accounting from Brigham Young University.

## **Exhibit (I)**

Pre-filed Testimony of Mr. Mark H. Albert of Patua Project, LLC

Application No. 12-0426G

Direct Testimony of

**MARK H. ALBERT**

On behalf of

**PATUA PROJECT, LLC**

**Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS**

A. My name is Mark H. Albert and my business address is 9670 Gateway Dr., Suite 200, Reno, Nevada, 89521.

**Q. BY WHOM AND IN WHAT CAPACITY ARE YOU EMPLOYED?**

A. I am the Vice President of Development for Gradient Resources, Inc, a Colorado corporation (“Gradient”)

**Q. ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?**

A. Patua Project, LLC (“Patua”). Gradient is the sole member of Patua Project, LLC.

**Q. DOES ATTACHMENT 1 ACCURATELY DESCRIBE YOUR BACKGROUND AND EXPERIENCE?**

A. Yes.

**Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS PROCEEDING?**

A. The purpose of my testimony is to support Patua’s request for partial tax abatements for its Patua Facility project located in Churchill and Lyon Counties, Nevada (the “Project”) by providing specific information related to the Project to assist the Director of the Nevada State Office of Energy in considering the application for partial tax abatements.

**Q. WHAT TYPE OF ABATEMENTS IS PATUA REQUESTING FOR THE PROJECT?**

A. Patua is requesting a partial abatement of the sales and use tax for tangible personal property purchased for the Project, and the property tax on the real and personal property associated with the Project.

**Q. WERE YOU INVOLVED IN PREPARING PATUA'S APPLICATION FOR THE PARTIAL ABATEMENTS?**

A. Yes.

**Q. ARE YOU FAMILIAR WITH THE INFORMATION IN THE APPLICATION?**

A. Yes.

**Q. IS THE INFORMATION IN THAT APPLICATION TRUE AND CORRECT TO THE BEST OF YOUR KNOWLEDGE AND BELIEF?**

A. Yes.

**Q. PLEASE DESCRIBE THE PROJECT IN MORE DETAIL.**

A. Patua Project, LLC is currently developing the Patua Geothermal Project located in Churchill and Lyon Counties, Nevada. Preliminary site preparation began during the third quarter in 2011, construction is anticipated to begin in the fourth quarter of 2012, and the plant is expected to be operational by the end of 2013.

The project has a long-term power purchase agreement (PPA) with the Sacramento Municipal Utility District (SMUD) in California. The project will interconnect to the transmission grid at Eagle substation in Fernley, Nevada, via an eight mile radial interconnection line (120 kV). Energy will be transferred to a power marketing affiliate at the power plant and then to NV Energy at Eagle substation. NV Energy will transmit the power to Hilltop substation in Northern California, where SMUD takes ownership.



The project is located approximately 7 miles east of Fernley, Nevada in Lyon and Churchill Counties, accessed generally from U.S. Alt. 50. The well fields, including pads and geothermal fluid pipelines, access roads, power plant, and transmission line are located on lands managed by Reclamation, BLM, and on private lands. The power plant will be built in Churchill County but a portion of the transmission line, well field and pipelines will also be located in Lyon County.

The project assets will include about 20 well pads and multiple wells, about 15 miles of geothermal fluid pipeline and access roads, and 7.3 miles of transmission lines in Lyon County and 0.8 miles of transmission lines in Churchill County. A typical production well pad accommodates two or more wells as necessary and includes a step-down transformer, power distribution center which houses the motor control equipment, a utilities system enclosure which houses other auxiliary systems, a 400 square foot building to house equipment, fencing, and a reserve pit for containment of mud and water runoff. Each production well will be outfitted with a well pump and electrical and control systems. The collection and injection piping system will transport hot geothermal fluids from the production wells to the power plant and transport cooler geothermal fluids from the power plant to the injection wells. Power for the pumps will be provided through electrical cable in cable trays and fiber optic cable will be included in the cable tray system to provide field communications.

The power plant will use a binary power plant design in which the power block receives geothermal brine from the well field, converts the heat of the geothermal brine into electrical power, and pumps the brine back to the well field. There will be up to six generation modules. The power block consists of one turbine per generation module,

gearboxes, electrical generators, working fluid cycle pumps, air-cooled condensers, geothermal brine injection pumps and switchyard. There will also be air-cooling systems, a fire protection system, ancillary buildings, substation, and transmission lines.

**Q. WHAT BENEFITS WILL PATUA'S PROJECT BRING TO THE STATE OF NEVADA?**

A. The Project will provide numerous benefits to the State of Nevada and the western region as a whole. As a large geothermal energy facility in Nevada, the Project will improve the diversity, sustainability, and availability of the energy mix, in addition to promoting stable electricity prices. Additionally, as a renewable source of electricity, the Project will help to reduce reliance on fossil fuels that exhibit higher pollution emission rates. Finally, the Project will provide significant capital investment in Nevada, increase the tax base, and create more Nevada jobs.

**Q. IS PATUA QUALIFIED TO DO BUSINESS IN NEVADA AND DOES IT HOLD A VALID NEVADA BUSINESS LICENSE?**

A. Yes.

**Q. HAS PATUA OBTAINED ALL REQUIRED PERMITS TO CONSTRUCT THE PROJECT?**

A. Yes.

**Q. WILL PATUA OBTAIN AND MAINTAIN ALL REQUIRED LICENSES AND PERMITS TO OPERATE THE PROJECT?**

A. Yes.

**Q. WILL ANY PUBLIC LAND OR PUBLIC FINANCING PROVIDED BY ANY GOVERNMENTAL ENTITY IN THIS STATE BE USED FOR THE PROJECT?**

A. No. However, the project does hold geothermal leases at Patua for geothermal development on federal lands managed by Reclamation and BLM, as well as easements for the interconnection line from the state of Nevada.

**Q. HAS OR WILL ANY STATE OR LOCAL FUNDING BE PROVIDED FOR THE ACQUISITION, DESIGN OR CONSTRUCTION OF THE PROJECT?**

A. No.

**Q. HAS PATUA MET WITH THE BOARD OF COUNTY COMMISSIONERS FOR CHURCHILL COUNTY AND LYON COUNTY, AND HAVE THE RESPECTIVE BOARDS APPROVED PATUA'S APPLICATION?**

A. Yes. Both Churchill County and Lyon County have met and approved Patua's application. Churchill County agreed to approve the application at the regularly scheduled meeting on July 18, 2012, and Lyon County agreed to approve the application at their regularly scheduled meeting on September 6, 2012.

**Q. HOW LONG WILL THE PROJECT BE IN OPERATION?**

A. The Project is expected to maintain operation in Nevada for at least 20 years.

**Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

A. Yes.

## ATTACHMENT 1

### BACKGROUND AND EXPERIENCE

**Mark Albert, Vice President, Development.** Mr. Albert has been with Gradient Resources Inc for 15 years and was instrumental in the marketing plan, its utility relationships and overall project development efforts. He coordinates the development of numerous Gradient geothermal projects, including the Patua Geothermal Project, ensuring that the science, drilling, engineering and permitting aspects of a project are aligned and consistent with the necessary power purchase agreement, transmission planning and project financing requirements.

Mr. Albert is responsible for leading negotiations with utilities to complete power purchase agreements and transmission agreements. He has presented the Patua Geothermal Project to the Public Utilities Commission of Nevada under the Utility Environmental Protection Act (UEPA) process.

Prior to Gradient, he spent two years with Northern States Power/Xcel Energy. He holds a Bachelor of Science in electrical engineering from Washington University in St. Louis.