

<b>DOCKETED</b>	
<b>Docket Number:</b>	23-AFC-01
<b>Project Title:</b>	Morton Bay Geothermal Project (MBGP)
<b>TN #:</b>	254552
<b>Document Title:</b>	Information against the "current course of action" - Application for Certification
<b>Description:</b>	<p>Additional information against the "current course of action" - Three Geothermal Project - Application for Certification 23-AFC-01; 23-AFC-02; 23-AFC-03. This comment is in response to Docket Number 23-AFC-01-03 TN #: 254208; 254207; 254206; RE: Repeated Application for Confidential Designation. There is no reason at this stage for any party to designate any information as confidential. If a party has a secretive concept or technology, they should, by now, have filed a patent application or have already issued a patent that would protect them from someone stealing their information.</p> <p>Also, the comment is in response to TN # 253870 in which the AFC Committee Staff requested information on water supply and efficiency. The applicants stated on several occasions that they relied on a promise by the IID to supply the necessary water that they need for the functioning of their proposed geothermal plants for the extraction of lithium. The IID cannot supply water that does not have. It is at the expense of the S. S.</p>
<b>Filer:</b>	Nikola Lakic
<b>Organization:</b>	Geothermal Worldwide, Inc.
<b>Submitter Role:</b>	Public
<b>Submission Date:</b>	2/17/2024 12:28:41 AM
<b>Docketed Date:</b>	2/17/2024



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

February 11, 2024

California Energy Commission  
715 P Street  
Sacramento, California 95814  
Attention: Noemi Gallardo  
Commissioner and Presiding Member of the Morton Bay, Elmore North, and Black Rock  
AFC Committee.  
Docket No. 23-AFC-01, (23-AFC-02) & (23-AFC-03)  
[docket@energy.ca.gov](mailto:docket@energy.ca.gov).

SUBJECT: Additional information against the “current course of action” - Three  
Geothermal Project - Application for Certification (23-AFC-01-03) – and the SOLUTION  
for the Salton Sea.

Section 1.0 - INTRODUCTION .....	Page 1
Section 2.0 - COMMENTS .....	Page 2
Section 3.0 - FACTS .....	Page 4
Section 4.0 - RECOMMENDATION .....	Page 6
Section 5.0 - A few words about my Work .....	Page 7
Section 6.0 - The Summary of the Summary of the Proposal for the Restoration of the Salton Sea .....	Page 12

To Commissioner **Noemi Gallardo**:

**1.0 INTRODUCTION:**

In addition to the previous letter (12 pages) which I sent to CEC on August 28, 2023, Docket # 25213, and on December 22, 2023, Docket # 253744, I am writing again with a few additional information that can help understand the situation about the Salton Sea concerning the AFC Committee and three geothermal projects – applicants - the Morton Bay, Elmore North, and Black Rock.

1.1 It came to my attention the recent response by the applicant’s representative Ellison Schneider Harris & Donlan LLP - Docket Number 23-AFC-01-03 TN #: 254208; 254207; 254206; RE: Repeated Application for Confidential Designation for Revised Data Response 90. I will comment on it.



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

1.2 Also, it came to my attention the “Data Requests Set 4 for Morton Bay Geothermal Project” (23-AFC-01), TN # 253870 in which the AFC Committee Staff requested information on water supply and efficiency. I will comment on it.

## 2.0 COMMENTS:

2.1 In the Docket Number 23-AFC-01-03 TN #: 254208; 254207; 254206 it says the following: (Copy/Paste segment)

*All facts and circumstances relevant to the confidentiality of the information remain unchanged, as the Applicant understands that IID has designated the information as confidential. Therefore, this data request response should be similarly granted confidential designation on the same basis.*

2.2 There is no reason at this stage for the IID to designate any information as confidential. If the IID has some secretive concept or technology, they should by now have filed a patent application or have already issued a patent that would protect them from someone stealing their information. Very possible they are designating the information as confidential to avoid answers because cannot provide a good one.

2.3 Also, the applicants stated on several occasions that they relied on a promise by the IID to supply the necessary water that they need for the functioning of their proposed geothermal plants for the extraction of lithium.

2.3.1 The IID cannot supply water that does not have. Unless it is openly disclosed that allocated water (promised water) is at the expense of the disappearing Salton Sea. The nearby population, including tribes, needs to understand that. So far that has not been voiced.

2.4 In Docket Number 23-AFC-01-03 TN #:253870 filed on January 12, 2024, the Commission Staff requested information on water supply and efficiency.

In one segment it says the following (underlining added):

*“On November 10, 2023, the applicant filed revised responses to several data requests from Data Response Set 1 for the MBGP, including an update to the Best Available Control Technology (BACT) evaluation for cooling tower particulate matter (PM) emissions. Air-cooled condensers (ACCs) with evaporative pre-cooling are among the PM abatement options in the BACT analysis update (Morton Bay Geothermal 2023b). The analysis states that ACC systems in higher temperature regions of*



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

*California are expected to experience reduced efficiency. Heat balance case studies for the Elmore North Geothermal Project show that when temperatures are 100°F and higher, expected power output with an ACC would be 15 percent lower than with a wet cooling system. And it states that although evaporative pre-cooling could help mitigate this effect, project costs and the parasitic load of the process would increase. The three proposed geothermal projects are being designed as flash steam systems. By comparison, the analysis states that “ACCs are often implemented for binary geothermal plants, which are lower temperature systems requiring less cooling demand...” The analysis concludes that “based on the lack of demonstration of commercial ACCs on non-binary geothermal power plants, [i.e., flash systems] [an ACC with evaporative pre-cooling] is not considered technically feasible...” The BACT proposed for cooling tower PM abatement for the three projects remains wet cooling with drift eliminators.*

2.4.1 I would like to point out that in my architectural plan for the restoration of the Salton Sea, I am introducing a new system for cooling condensers by implementing binary power units that use different working fluids with different boiling points and a nearby source of moving (passing) water (Coachella Canal).

2.4.2 Although I included it in my papers during the Request for Information (RFI) in 2017 - 2018, I am elaborating more on it in my paper for the Stanford Geothermal Workshop 2024 scheduled for February 12-14, 2024.

2.4.3 Here is the link to the paper for the Stanford Geothermal Workshop 2024:

[Harnessing Energy and Water in the Salton Sea \(stanford.edu\)](https://stanford.edu). Pay attention to Figures 17-20.

2.5 I would like to point out that in my proposal for the restoration of the Salton Sea, which includes my design of a geothermal power plant that is more efficient than a conventional geothermal power plant, there is a segment that explains how a new cooling system can be utilized. Very possible local leaders did not read my proposal or did not understand it in 2018, and because my proposal has not been properly reviewed or debated, and because the subject is relevant to the current discussion and the fate of the Salton Sea, was the main reason why I have included several illustrations from original papers and decided to elaborate on a cooling system in my presentation at the Stanford Geothermal Workshop (SGW 2024).

2.6 I would like to point out again that the restoration of the Salton Sea, because of its magnitude, importance, and potential results, could be considered a project



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

of the century. Therefore, I respectfully urge all participants to be open-minded and reconsider their strict positions but rather get involved in the implementation of my proposal which will be beneficial to everyone.

2.7 I would like to inform the CEC staff and especially applicants that my patented cooling concept can be modified for many different applications and similar locations.

2.8 Also, I would like to inform the CEC staff, and applicants, that the notion that some people have that somehow can borrow some elements from my proposal and continue with the current course of action is fundamentally wrong. Such a notion exists because people in charge have limited technical knowledge and do not understand that two cars cannot be parked in a one-car garage.

2.9 I would like to point out that my proposal for a long-term solution for the self-sustaining Salton Sea existed since 2013.

2.10 I would like to point out that the lack of desire to learn about options for the restoration of the Salton Sea by the local leadership is obvious. I elaborated on that issue in numerous of my public comments. Also conduct (comments) by the local leaders, such as 'pivoting' from one concept to another that is completely different and not understanding its function completely, after excluding its author from participating, which is illegal conduct, is also noticeable. It shows the incompetence of some people who are involved in making critical decisions on the fate of the Salton Sea, our environment, the health of the population, the economy, etc.

2.11 Similarly, it appears that the 'applicants' of the three projects lack the desire to explore possible options for harnessing geothermal energy.

### **3.0 FACTS:**

3.1 The 'current course of action' regarding the restoration of the Salton Sea which local leaders endorsed and followed is a 'drive in the wrong direction' because leads to a smaller, saltier, smellier, and more polluted Lake with tremendous consequences to the environment, the health of the nearby population, wildlife, and economy in general.

3.2 The 'current course of action' that constitutes a 10-year plan that the Salton Sea Management Program (SSMP) is based on the false assumption that the importation of seawater is not a feasible plan.



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

3.3 The argument that those who endorsed the 'current course of action' is that:

3.3.1 **a)** Because of restricted inflow from the Colorado River the Salton Sea is getting smaller and there is nothing we can do about it.

3.3.2 **b)** Because the Lake is in the depression below sea level of about 220 feet and there is no outflow the Lake is getting more polluted; and

3.3.3 **c)** Because runoff water from farmland is contaminated with pesticides and fertilizers and partially treated sewer from Mexicali the Lake is also getting more polluted. Therefore, the Salton Sea is doomed to disappear as has happened many times in millennia.

3.4 The 'applicants' three geothermal projects – Morton Bay, Elmore Nort, and Black Rock – are part of the 'current course of action'. Based on several comments and articles, their argument is – (paraphrasing) – “The Salton Sea is lost, but at least the lithium from geothermal brine can be mined for the next 40-50 years and harness geothermal energy which is prevalent in the area.

3.5 There is a disconnect between local leaders that follow the Salton Sea Authority (SSA) that promotes projects that lead to a smaller, saltier, smellier, and more polluted Lake with serious consequences on the environment, wildlife, the health of nearby population, and economy, and top State agencies (CNRA, CalEPA, CEC) that supposed to enforce the existing environmental policies that initiate and support projects that improves environment (clean air and water) and protect health of population.

3.7 There is an architectural plan (my design) for a long-term solution for the restoration of the Salton Sea that successfully deals with the environment, wildlife, and clean environment, transforming the situation of incoming ecological disaster into a situation of a clean environment and prosperity. Unfortunately, the plan has been ignored by local leaders for 11 years.

3.8 Despite the state's effort to find a long-term solution for the restoration of the Salton Sea my proposal was 'sabotaged' twice by local leaders.

3.9 My proposal was officially rejected twice without a single scientific argument against it. My proposal was neither properly reviewed nor discussed. It was just brushed off because interferes with the 'current course of action' that members of the SSA support with their associates from Tetra-Tech and Pacific Institute support.





Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

#### **4 RECOMMENDATIONS:**

- 4.1 The only way that the Salton Sea could be saved and restored is for the State to complete its initial effort in saving and restoring the Salton Sea by initiating a speedy evaluation of my proposal by independent reviewers preferably assembled by honorable state officials and potential contractors and producers of the technologies involved.
- 4.2 The argument that has been used to exclude my proposal from the proper evaluation was/is that I am proposing a new technology. Such an argument by local leaders was/is ridiculous. The USA was and still is built on innovation and new technologies. There is nothing mysterious about my proposal and the technologies that I am proposing. Many companies would be able to produce and implement all elements of my architectural plan. However, they need to be contacted and a certain budget provided for preliminary testing of a few prototypes (material, different sizes, etc.) as has always been done throughout history when a project of such magnitude and importance is involved.
- 4.3 Applicants, wholly owned subsidiary of BHE Renewables, LLC., need to be officially informed of the existence of my proposal and be asked if they want to participate in its implementation respecting patent rights and business law.
- 4.4 The State must abolish a corrupted report produced by a Panel of independent reviewers from the University of California Santa Cruze (UCSC Panel) because such a report was/a travesty by losing independent status by succumbing to the pressure of Tetra-Tech which is under the influence of the SSA and local leaders. Abolishment of the UCSC Panel's report is necessary because those who oppose the restoration of the Salton Sea use the UCSC Panel's report as a reference for the continuation of their ridiculous projects.
  - 4.4.1 Namely, those who oppose the restoration of the Salton Sea proceed with the "North Lake Pilot Project" for which the State recently provided a check of \$19.25 million, which is not in harmony with the restoration of the Salton Sea. It is a waste of time and money.
  - 4.4.2 Also, the 'Desert Shore Project' is not in harmony with the restoration of the Salton Sea. Just compare what local leaders propose at the Desert Shore with my plane in the same location (area). That is also a waste of time and money.
- 4.5 One of the problems that caused the grave situation of the Salton Sea is that a substantial majority of the State's employees involved in the restoration of the Salton Sea (10-year plan, and SSMP) have a background in environmental science, biology, geology, etc., and very few, if any, has a background in



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

architecture, civil engineering, mechanical engineering – that is what is needed to understand the architectural plan and its implementation.

4.6 People need to understand that monitoring salinity levels, air pollution, aggies, etc., and providing projections of the level of pollution in 20, 30, or 50 years does not solve the problem. What is needed is an architectural plan explaining how the complicated grave situation of the Salton Sea can be solved.

4.7 The good news is that there is a solution (architectural plan) for saving and restoring the Salton Sea to its glory days of the 1950s and 60s, despite reduced inflow from the Colorado River and which is also in harmony with the extraction of the lithium from geothermal brine. However, that architectural plan (concept) needs to be officially accepted, and only then particular elements of the architectural plan can be discussed for necessary adjustments if needed, etc.

4.8 Unfortunately, there are people in key positions making critical decisions that do not want to either study it or implement it.

4.9 As I mentioned in numerous public comments the top state officials - Secretaries in cooperation with the Governor - need to stop the 'current course of action' and make radical changes towards saving and restoring the Salton Sea and enforce the State environmental policy. Continuation of the 'current course of action' that leads to a smaller, saltier, smellier, and more polluted Salton Sea violates State and Federal policies regarding environmental law. The law is there – just needs to be enforced.

## **5.0 A few words about MY WORK and the PROPOSAL for the RESTORATION of the SALTON SEA:**

My proposal for the restoration of the Salton Sea – terminal Lake in California - involves an architectural plan which incorporates several breakthrough technologies in the energy industry which I have invented and modified to incorporate local conditions of the Salton Sea area with the final product – the self-sustained long-term solution for the restoration of the Salton Sea. It might be considered a project of the century costing only about \$15 billion and generating at least \$500,000,000 in revenue per year just from clean renewable energy – in addition to revenue from other activities including tourism.

Here I will just summarize the subjects of my breakthrough methodologies:





Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

- I am the inventor of the new system for harnessing geothermal energy (a completely closed-loop system) which is not limited to geothermal reservoirs.
- I am also the inventor of the new system for drilling deeper and wider wellbores.
- I am also the inventor of the new system for harnessing solar energy (thermo-optical solar system) having the “power unit” with pistons, which is at least several times more efficient than Photo Voltaic (PV) systems.
- I am also the inventor of the new system of cross-country pipelines for importing seawater or other fluids, having the “in-line pump” as segments of the pipeline for uphill routes, and having the “in-line generator” as segments of the pipeline for downhill routes with the “Delta Power Plant” at the last section.
- I am also the inventor of the new system for using the pipeline as a foundation for solar panels which eliminates expenses for purchasing or leasing huge sections of land, which is an expensive requirement for conventional solar facilities on an industrial scale. My system decentralizes the conventional centralized systems.
- I am also the inventor of the new system for the desalinization of salty water using solar and/or geothermal energy to generate electricity and having potable water as a free byproduct, and concentrated brine to be used to produce Lithium.
- After the accident offshore of Louisiana in the Gulf of Mexico on April 20, 2010, and a failure of the "Blow Out Preventer" (BOP) in the Macondo well, it became a challenge how to stop uncontrollable bursts of crude oil in the Gulf of Mexico and prevent disasters of epic proportions. Out of over 3,000 proposals and many universities and laboratories participating, my proposal for controlling dysfunctional “Blow out Preventer” was used to stop uncontrollable bursts of crude oil. By July 15, 2010, the Macondo well was successfully sealed, if only temporarily, for the first time in 87 days. That was only 34 days after my submission. The implementation of the control valve on top of the dysfunctional BOP was televised on CNN.
- I graduated from the School of Architecture, University Cyril and Methodius, Skopje, North Macedonia, in 1982, and immigrated to the United States in 1983, as a student at the Frank Lloyd Wright School of Architecture, Taliesin West in Arizona, and Taliesin East in Wisconsin. The University Cyril and Methodius – School of Architecture -



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

consists of nine semesters, around 38 exams, plus graduate work which takes an additional 5-6 months. I am proud to say that my graduate work scored 10 out of 10, which is rarely given.

My mission is global – which is licensing technologies worldwide to capable companies/contractors with means. The Salton Sea project is a small part of it, but it is an important part. It is imperative to save the Salton Sea and our environment despite unreasonable opposition. I am providing a solution and the “know-how” to the desperate situation.

Also, I am including links and a summary of my proposal for the restoration of the Salton Sea divided into five segments for easier understanding. Each of the segments (phases) is essential for the final product of the self-sustained Salton Sea.

On February 6-8, 2023, Stanford University hosted Geothermal Workshop (SGW 2023). I made three presentations at the SGW 2023. The subject of the SGW 2023 was ‘Geothermal’ and had limited time for presentations, therefore, I did not submit two papers about harnessing solar and hydropower in more detail.

Here below are links to my papers from the Stanford Geothermal Workshop (SGW 2023) where I made three presentations on February 7, 2023, each lasting 30 minutes including Q & A. Although 90 minutes was a short time for a substantial material, I am thankful for such an opportunity. It is a summary of the larger material ... It is worth seeing it.

5.1 Papers - Segment (I) - **Harnessing Energy and Water in the Salton Sea.**

[Click here to see](#) or click the link below:

[https://drive.google.com/file/d/1oowNJNodUNIfT\\_Jg5byczZTKbm1z9glW/view?usp=sharing](https://drive.google.com/file/d/1oowNJNodUNIfT_Jg5byczZTKbm1z9glW/view?usp=sharing)

-----

5.2 Papers – Segment (II)

**Harnessing Geothermal Energy in the Salton Sea Area.**

[Click here to see](#) or click the link below:

<https://drive.google.com/file/d/1W8Au4FTwwJf8NaBBxfFTDfub5golqLtv/view?usp=sharing>

-----

5.3 Papers – Segment (III)

**System for Drilling Deeper and Wider Wellbores.**



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

[Click here to see](#) or click the link below:

<https://drive.google.com/file/d/1BgS5RzXerJym0YGVajK7HFEyKbr-O3XL/view?usp=sharing>.

-----

PowerPoint Presentation – Slides – are bigger files. I am including links to them below.

The slides are summaries of the papers and are easy to review after the papers are read. In the text of the papers, I referred to certain illustrations (See Fig. so and so), which are in a separate segment. In the PPT files, the illustrations are smaller, and on the right side of the slide, there is a short description (summary – PowerPoint).

I have included all files on my website [www.GeothermalWorldwide.com](http://www.GeothermalWorldwide.com) => OUR TECHNOLOGY => Presentation at Stanford University.

5.4 PowerPoint Presentation – Slides – Segment (I) – **Harnessing Energy and Water in the Salton Sea. Click the link below:**

[PowerPoint Presentation – Slides – Segment \(I\) – Harnessing Energy and Water in the Salton Sea.](#)

-----

5.5 PowerPoint Presentation - Slides - Segment (II) - **Harnessing Geothermal Energy in the Salton Sea Area. Click the link below:**

[PowerPoint Presentation – Slides - Segment \(II\) - Harnessing Geothermal Energy in the Salton Sea Area.](#)

-----

5.6 PowerPoint Presentation - Slides - Segment (III) - **System for Drilling Deeper and Wider Wellbores. Click the link below:**

[PowerPoint Presentation - Slides - Segment \(III\) - System for Drilling Deeper and Wider Wellbores.](#)

-----

For more information and for those two additional segments about harnessing **solar** and **hydropower** please visit the page [PRESENTATION AT EL CENTRO.](#) It is just above the link “Presentation at Stanford University”.

Here are all five links from my website to be handy. Here are Segments I-V.

The segment about Harnessing Hydro Power is presented here as Segment II.

The segment about Harnessing Solar Energy is presented here as Segment III.



The segment about Harnessing Geothermal Energy is presented here as Segment IV. And

The segment about System for Drilling Deeper and Wider Wellbores is presented here as Segment V.

Here are the links:

5.7 Harnessing Energy and Water in The Salton Sea (**Segment I**)  
(**System for Importing Seawater**). Here is the link:  
<https://drive.google.com/file/d/1PWZbInYIV2dHnFXQqVwZwV56P6rqPZHI/view?usp=sharing>.

-----

5.8 Harnessing Energy and Water in The Salton Sea (**Segment II**)  
(**Harnessing Hydro Power**).  
<https://drive.google.com/file/d/1wEoi3VNNscX6SkH7dWlrmNMZO7oRb5vu/view?usp=sharing>.

-----

5.9 Harnessing Energy and Water in the Salton Sea (**Segment. III**)  
(**System for Harnessing Solar Energy**).  
[https://drive.google.com/file/d/1ZLuZbt6RsLo3x19x2sKB\\_XVPjkJJuNwv/view?usp=sharing](https://drive.google.com/file/d/1ZLuZbt6RsLo3x19x2sKB_XVPjkJJuNwv/view?usp=sharing).

-----

5.10 Harnessing Geothermal Energy with the Self Contained In-Ground  
Geothermal Generator and Self Contained In-Ground Geothermal Heat  
Exchanger (**Segment IV**)  
(**Harnessing Geothermal Energy in The Salton Sea Area**).  
[https://drive.google.com/file/d/1wqRUgmib\\_Si-odYmWV8F5TILOL-U7R7l/view?usp=sharing](https://drive.google.com/file/d/1wqRUgmib_Si-odYmWV8F5TILOL-U7R7l/view?usp=sharing).

-----

5.11 Harnessing Energy and Water in The Salton Sea (**Segment V**)  
(**System for Drilling Deeper and Wider Wellbores**).  
<https://drive.google.com/file/d/1Aig8tuELSdqvFakK-SEMvyW-bUQd76r/view?usp=sharing>.

-----

The architectural plan is a comprehensive design. In order to be understood entirely, it needs to be studied as a whole by people preferably with an engineering background. Also, it is an art.



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

## **6.0 The Summary of the Summary of the proposal for the Restoration of the Salton Sea:**

My architectural plan successfully restores and refills the Salton Sea to the level of the 1950s and the '60s and reestablishes huge wildlife sanctuaries despite reduced inflow of water from the Colorado River.

By redirecting the New River and Alamo River back to Mexico before it gets polluted with fertilizers and pesticides, it provides an option for filling up the Laguna Salada – dry Lake in Mexico - and reestablishes flow in the Gulf of California (Sea of Cortez). Everyone should love that. In return, through negotiation by the 'International Boundary and Water Commission' (IBWC) and their counterparts in Mexico, through a treaty to negotiate a corridor with a service road for a pipeline for importing seawater into the central section of the Salton Sea. Since such a solution is of great interest to us (USA) and to Mexico, the negotiation should not be a difficult task. We could exchange at least the same amount of water, although, through negotiation, we could have an opportunity to get 1,000,000 acre-feet of seawater and to keep a certain amount from the Colorado River. Also, it would be an opportunity to negotiate 100 years deal with an option to renew the deal after 100 years. This solution would save us around \$100,000,000 per year that otherwise we would need to pay for importing 1,000,000 acre-feet of seawater. I elaborated on it in more detail in original papers submitted in 2018 following the Request for Information (RFI) issued by the State in 2017.

Also, it is important to mention, that I, as the author of the Architectural Plan and the inventor of a new system for the desalinization of salty water using geothermal and/or solar energy, should be included as a part of the team of the IBWC as a contributing consultant during a negotiation with Mexico because my presence would improve our leverage because by using my system (methodology) Mexico can provide potable water for nearby city Mexicali that desperately needs potable water and concentrated brine that can be used to produce lithium. Both elements are in demand. The same system that I am proposing for the Salton Sea.

Also, an essential part of my proposal is that by dividing the Salton Sea into three sections, we would need water from the Colorado River only for farmlands and for balancing the evaporation of the North Lake and South Lake. That is in harmony with the reduced inflow of water from the Colorado River as required by the Quantification Settlement Agreement (QSA) and possible additional reductions in the future because of drought.



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

Also, it is important to mention, that an essential factor of my proposal is utilizing a dike around the desired area allocated for the extraction of lithium to provide dry land and prevent destruction of the Salton Sea as would be the case with the current course of action.

Also, it is important to mention that the implementation of my proposal for the restoration of the Salton Sea would cost only about \$15,000,000,000. It can be completed in about 5-6 years and would generate at least \$500,000,000 in revenue per year - out of the blue – literally. The revenue numbers in my papers are conservative. A more realistic revenue estimate would be about \$1,000,000,000 per year. That is in addition to achieving a clean environment, a substantial amount of potable water, lithium, tourism, and other activities that generate revenue.

6.1 Since there is possibility that officials who reviewed my previous documents are lacking engineering background and could not understand the function of the concept because of too many functions (information) on one illustration, I am using this opportunity to use the Map from Reclamation report to simplify it even more by showing on one map below (6.1.1) only distribution of water from the Colorado River through the All-American Canal to the South Lake and through Coachella Canal to the North Lake, and another map (6.1.2) showing only importation of seawater through pipeline Route #1 from San Felipe area of the Gulf of California (Sea of Cortez) to the Central Lake (section) of the Salton Sea, and another pipeline Route #2 from Long Beach area to the Central Lake (section) of the Salton Sea.

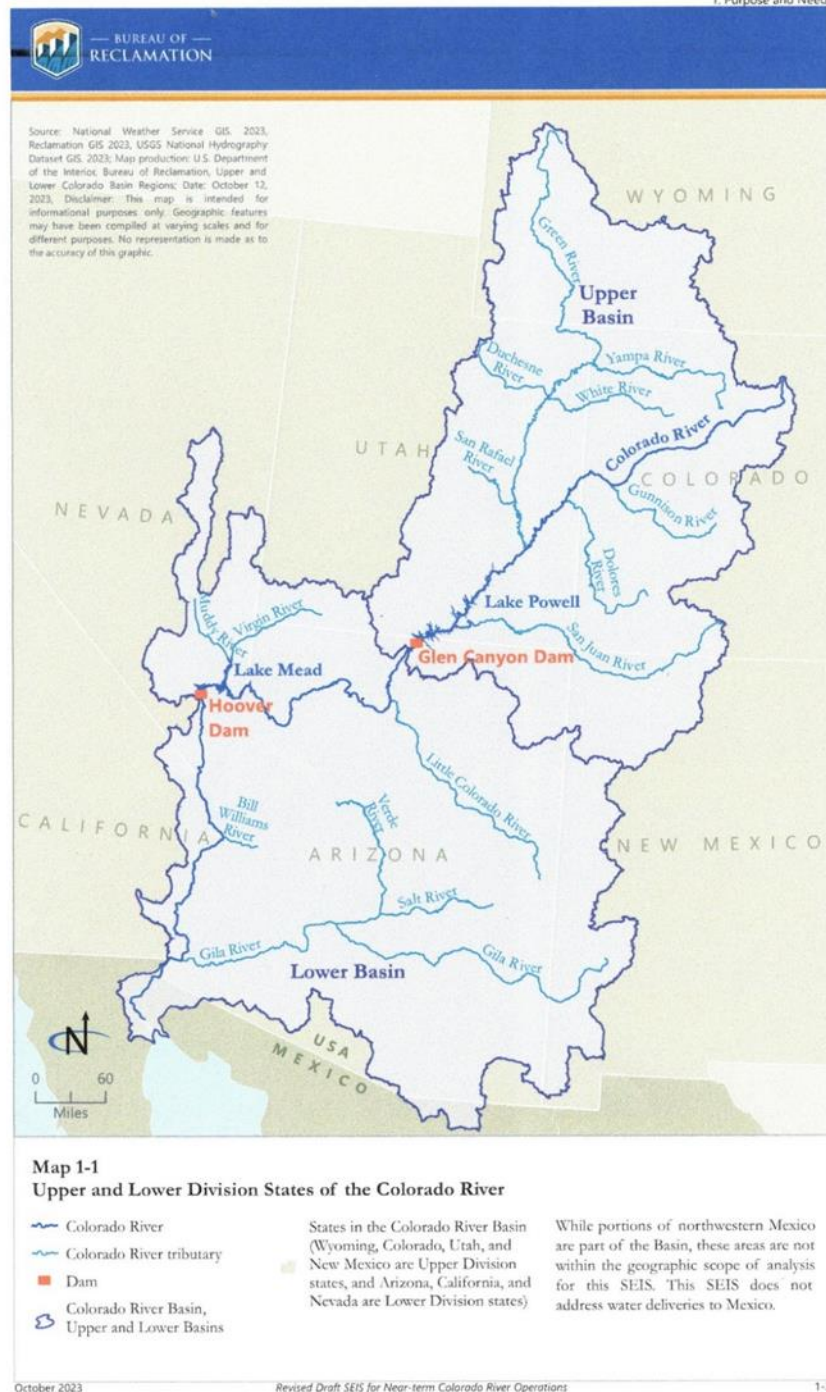
6.1.1 Here below is the Map 1-1 from Bureau of Reclamation report – SEIS showing the ‘Upper and Lower Division States of the Colorado River’ that completely excluded (not illustrated) the Salton Sea from the Colorado River Basin. That is utterly wrong because, since its existence, water in the Salton Sea has been flowing in from the Colorado River.





Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609





Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

6.1.2 (8.1.1) Here below is the Map showing the distribution of water from the Colorado River through the All-American Canal and Coachella Canal to the South Lake and North Lake of the Salton Sea.

MAP 8.1.1.

COACHELLA CANAL  
NORTH LAKE  
SOUTH LAKE  
REDIRECTED WATERS OF NEW & ALAMO RIV.  
LAGUNA SALADA

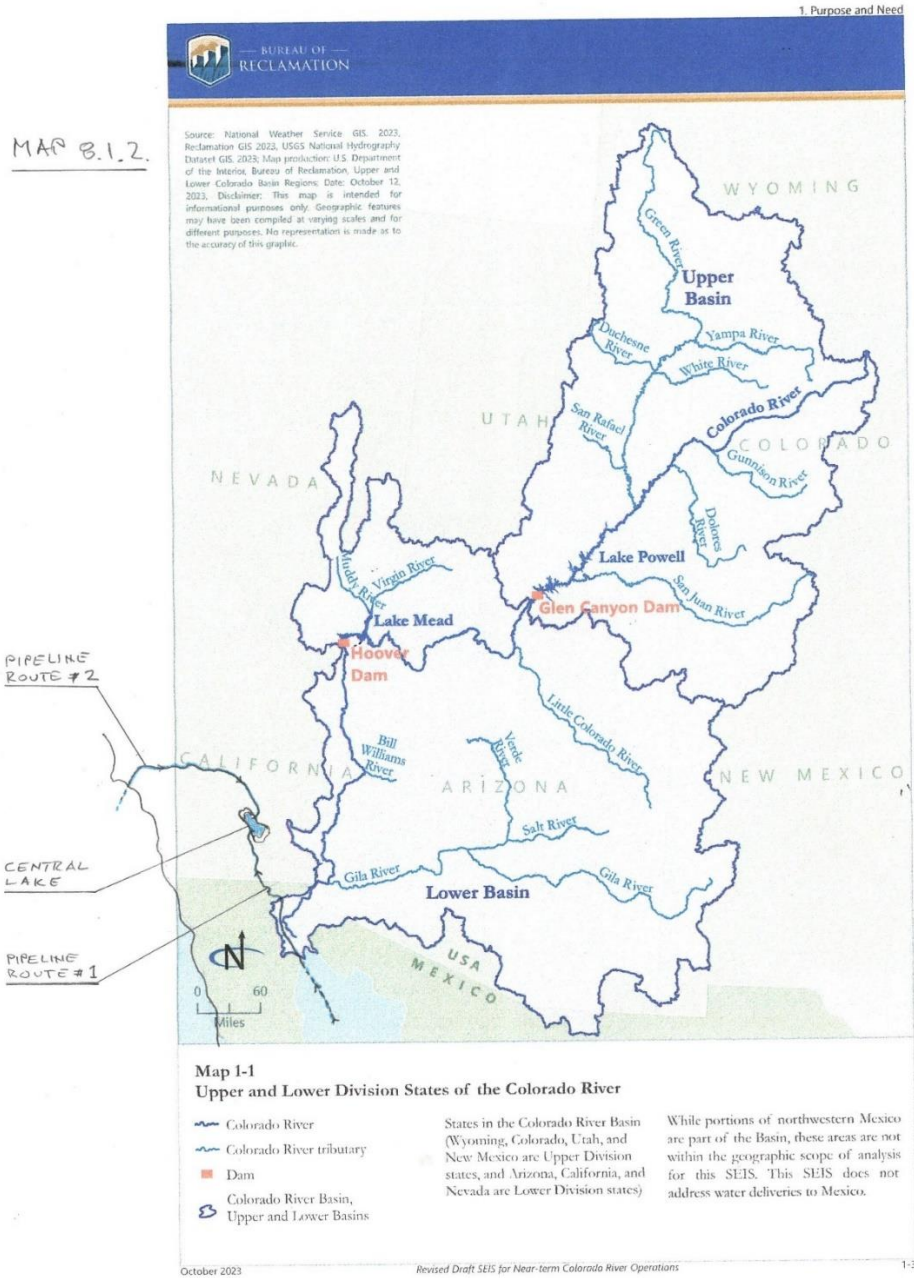




Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

6.1.3 (8.1.2) Here below is the Map showing only importation of seawater through a pipeline Route #1 from San Felipe area of the Gulf of California (Sea of Cortez) to the Central Lake (section) of the Salton Sea, and another pipeline Route #2 from the Long Beach area to the Central Lake (section) of the Salton Sea.







Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

6.2 Those who make policies, including all stakeholders, need to understand that the Salton Sea situation is unique in the whole World. The depression of over - 220 feet below sea level is in a desert about 200 miles from both - the Gulf of California (San Felipe) and the Pacific Ocean (Long Beach). In the area, there is a prevalent geothermal source and many sunny days throughout the year.

Importing seawater and using those natural sources (geothermal and solar), as I explained in my proposal, the Salton Sea can and should become a hub to produce potable water that can be used in many applications. Although I have explained the function of the feasible concept with a pipeline diameter of 48", through which can be imported about 1,000,000 acre-feet of seawater from the Sea of Cortez and about 2,000,000 acre-feet from Long Beach, the system can be multiplied – something for future generations to continue doing.

Think for a moment about the alternative – the ‘current course of action’ – the disappearance of the Salton Sea – exposed lakebed (playa) – toxic dust storms, degrading environment, the health of the population, and economy.

This is a rare opportunity that should not be ignored and suppressed as was the case in the last 10 years.

6.3 Those involved in decision making on the Salton Sea issue, including all stakeholders, needs to understand that every year that the implementation of my proposal for the restoration of the Salton Sea is postponed (delayed), we are losing revenue of at least \$500,000,000 per year just from clean renewable energy - not to mention other activities including tourism.

6.4 Here is the link to the video of my short presentation in front of members of the CEC in 2021. It is about 60 minutes. I am grateful for such an opportunity from the CEC although the material is substantial, and I needed more than a few hours. Here is the link:

[https://energy.zoom.us/rec/share/d4tAFmZFYEoqg4\\_VQzKgnbEbbjsTG-o8xeJX9KRklp4uLvOr7dCOz-9zrcMW-tW.JZXVajNyKAb3E9Of.](https://energy.zoom.us/rec/share/d4tAFmZFYEoqg4_VQzKgnbEbbjsTG-o8xeJX9KRklp4uLvOr7dCOz-9zrcMW-tW.JZXVajNyKAb3E9Of.)

6.5 Here is the link for a short presentation to the CUSC Panel of independent reviewers on October 22, 2021: [Geothermal Worldwide Zoom.mp4 - Google Drive](#).

(It is about an hour (52:02). Here is an optional link:

[https://drive.google.com/file/d/1aFacKaq-jppZuNF-00v88mYAiNa3vUAK/view?usp=drive\\_link](https://drive.google.com/file/d/1aFacKaq-jppZuNF-00v88mYAiNa3vUAK/view?usp=drive_link).

We are in a critical moment in history dealing with climate change, drought, and ecological disaster. We must use this opportunity and not ignore it as has been the case in the last 10 years.



Geothermal Worldwide, Inc.,  
78-365 Hwy 111, #402, La Quinta, CA 92201,

Email: [nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)  
Ph: 760-347-1609

I respectfully urge the California Energy Commission - AFC Committee - not to succumb to the pressure of those who work on destruction (disappearance) of the Salton Sea, but to use given power and engage more decisively in saving and restoring the Salton Sea.

I would be glad to answer any questions.

Sincerely,

Nikola N. Lakic  
Graduate Engineer, Architect, / Inventor  
Geothermal Worldwide, Inc.  
78-365 Hwy 111, #402  
La Quinta, CA 92253  
01-760-347-1609  
01-760-333-3851 cell  
[www.GeothermalWorldwide.com](http://www.GeothermalWorldwide.com)  
[nlakic@GeothermalWorldwide.com](mailto:nlakic@GeothermalWorldwide.com)

