



**Western Interstate  
Energy Board**

**Business Plan and Budget  
Fiscal Year 2019-20**

April 17, 2019

Approved by the  
Members of the  
Western Interstate Energy Board

1600 Broadway, Suite 1720  
Denver, CO 80202  
303-573-8910  
[www.westernenergyboard.org](http://www.westernenergyboard.org)

## TABLE OF CONTENTS

Organizational Overview .....	3
Budget Highlights .....	4
Current Financial Position -- FY 2017-18.....	5
Proposed Budget -- FY 2019-20 .....	6
2019-2020 WIEB Initiatives.....	8
Budget Analysis .....	10
Reserve Policy .....	14
Reserve Expenditure Plan .....	14
Budget Recommendation.....	15
Appendix A – Detailed Tables.....	16

## Organizational Overview

The Western Interstate Energy Board (WIEB) is an organization of 11 Western states and two Western Canadian provinces. The legal basis of WIEB is the Western Interstate Nuclear Compact (Compact) (Public Law 91-461), which provides that WIEB’s purpose is to provide the instruments and framework for cooperative state efforts to “enhance the economy of the West and contribute to the well-being of the region’s people.” WIEB member representatives are appointed by governors and premiers of the Western states and provinces. The President of the United States may also appoint an ex-officio member to the WIEB Board. WIEB Board members work together to promote energy policy that is developed cooperatively among member states and provinces and with the engagement of the federal government.

**Figure 1. WIEB Membership List.**

WIEB - Current Membership List		
Alberta	Christine Lazaruk	Executive Director, Strategy and Intergration, Alberta Energy
Arizona	Brian Goretzki	Chief, Bureau of Radiation Control, Arizona Department of Health Services
British Columbia	Les MacLaren	Assistant Deputy Minister, BC Ministry of Energy, Mines and Petroleum Resources
California	Janea Scott	Commissioner, California Energy Commission
Colorado	Will Toor*	Executive Director, Colorado Energy Office
Idaho	John Chatburn	Director, Idaho Governor's Office of Energy Resources
Montana	Dan Lloyd*	Exonomist, Montana Department of Environmental Quality
Nevada	David Bobzien*	Director, Nevada Governor's Office of Energy
New Mexico	Sarah Propst*	Cabinet Secretary, New Mexico Energy, Minerals and Natural Resources Department
Oregon	Janine Benner	Director, Oregon Department of Energy
Utah	Dr. Laura Nelson	Director, Utah Governor's Office of Energy Development
Washington	Lauren McCloy*	Assistant Director, Washington State Governor's Office

\*Pending appointment

Much of WIEB’s work is conducted through WIEB’s committees or in collaboration with WIEB’s sister-organization, the Western Interconnection Regional Advisory Body (WIRAB). WIEB has two committees, which include the following:

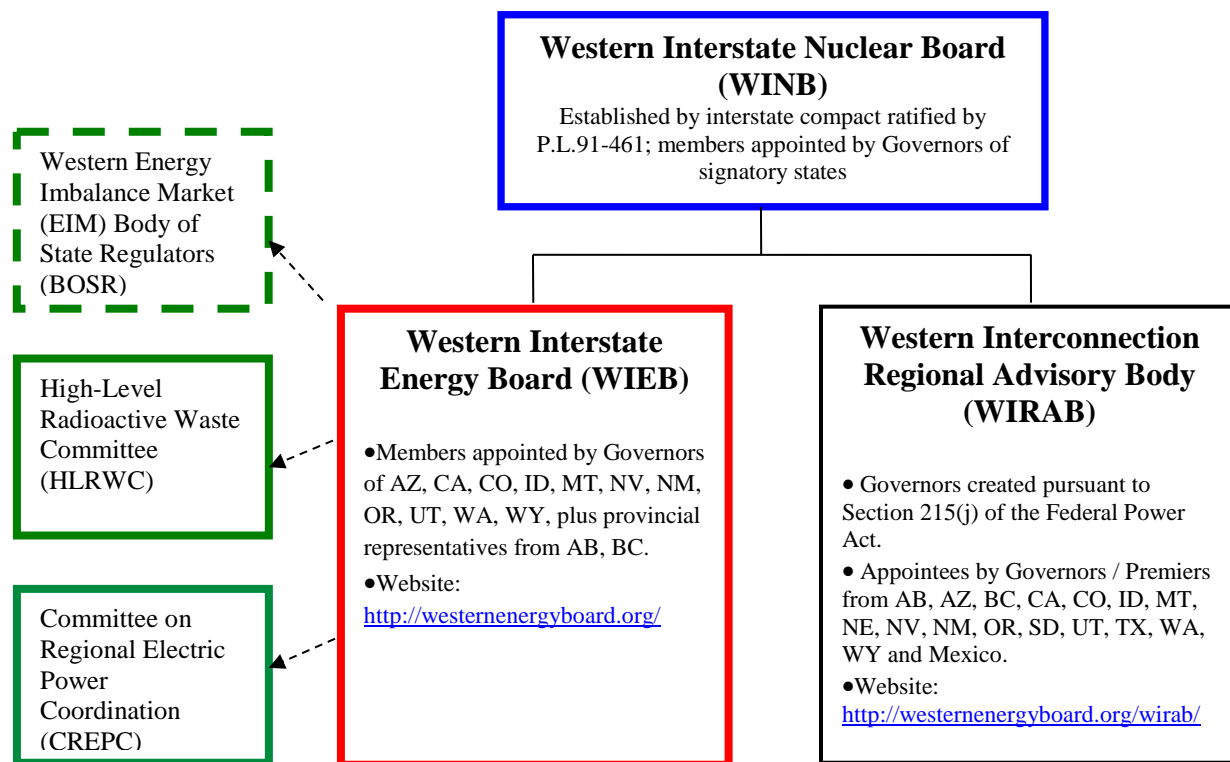
- a. **WIEB’s High-Level Radioactive Waste Committee (HLRWC).** WIEB’s HLRWC is comprised of nuclear waste transportation experts from western state energy, public safety, and environmental agencies. The HLRWC works collectively to review issues and develop policies on the transportation of spent nuclear fuel. The HLRWC is also working with the U.S. Department of Energy to develop a safe and publicly acceptable system for transporting spent nuclear fuel and high-level radioactive waste under the Nuclear Waste Policy Act.
- b. **The Committee on Regional Electric Cooperation (CREPC).** CREPC is a joint committee of WIEB and the Western Conference of Public Service Commissioners (WCPS). CREPC holds two in-person meetings each year, typically in April and October, where representatives of the western state and provincial public utility commissions, energy agencies, and consumer advocates gather in an effort to improve the

efficiency of the western electric power system. Membership in CREPC is not formal and all CREPC meetings are open to the public.

WIEB’s sister-organization, WIRAB, is an organization of states and provinces with load served in the Western Interconnection. WIRAB focuses its efforts on electric grid reliability. Together, WIEB, CREPC and WIRAB provide unique opportunities for public utility commissioners, state energy office personnel, regulated entities, industry personnel, and consumer advocates in the Western states and Canadian provinces to gather and exchange information on important energy matters.

WIEB shares a staff with WIRAB and also provides staff support to the Western Energy Imbalance Market (EIM) Body of State Regulators (BOSR). The EIM – BOSR provides a forum for state commissioners to learn about and discuss the EIM and the California ISO electricity markets.

**Figure 2. Organizational Relationships.**



**Budget Highlights**

The projected income in the WIEB FY 2019-20 budget is \$793,300. This is a decrease of \$421,000 (34.7%) from the current fiscal year budget. The projected expense in the WIEB FY 2019-20 budget is \$841,700. This is a decrease of \$422,400 (33.4%) from the current fiscal year

budget. These decreases are mainly due to an anticipated decrease in budgetary requirements and funding for WIEB’s U.S. DOE Solar Energy Technologies Office grant agreement and the completion of work by WIEB’s federal partners, the Lawrence Berkeley National Laboratory and the National Renewable Energy Laboratory.

The projected expense exceeds projected income by \$48,400. This is due to the continuation of the WIEB Reserve Expenditure Plan at a funding level of \$160,700. Table 1 shows these projections.

**Table 1. Overview of FY 2019-20 Budget**

Budget Category	Approved FY 2018-19 Budget	FY 2019-20	Difference	% Change
Income	1,214,300	793,300	(421,000)	-34.7%
Expense	1,264,100	841,700	(422,400)	-33.4%
Net Position	(49,800)	(48,400)		

**Current Financial Position -- FY 2018-19**

At the 2018 Annual WIEB Board Meeting, the Board adopted its budget based on an income projection of \$1,214,300. As of December 31, 2018, WIEB had received income of \$680,602. Annual income as of June 30, 2019 is expected to total \$1,141,682. The difference in income is due to lower than expected funding for the U.S. DOE Solar Energy Technologies Office project. Table 2 shows these results.

**Table 2. Current Income -- FY 2018-19**

Income Category	Approved FY 2018-19 Budget	Projected as of 6/30/2019	Difference	% Change
Membership Dues	169,000	169,000	0	0.0%
Interest	3,500	3,500	0	0.0%
Western Conference PSC	25,000	25,000	0	0.0%
REP Partners	0	90,000	90,000	100.0%
DOE - NE	200,000	200,000	0	0.0%
DOE - OE	0	82,000	82,000	100.0%
DOE - SETO	816,800	572,182	(244,618)	-29.9%
<b>Total Income</b>	<b>1,214,300</b>	<b>1,141,682</b>	<b>(72,618)</b>	<b>-6.0%</b>

At the 2018 Annual WIEB Board Meeting, the Board adopted its budget based on projected expenditures of \$1,264,100. As of December 31, 2018, WIEB had recorded expenditures of \$754,340. Annual expenditures as of June 30, 2019 are expected to total

\$1,249,442. The difference in expenses is due to higher than expected spending on meetings, travel, and direct labor. Table 3 shows these results.

**Table 3. Current Expense -- FY 2018-19**

Expense Category	Approved FY 2018-19 Budget	Projected as of 6/30/2019	Difference	% Change
Meeting Expense	51,600	51,169	(431)	-0.8%
State Travel	87,300	65,963	(21,337)	-24.4%
Staff Travel	71,700	46,713	(24,987)	-34.8%
Subcontracts	564,900	585,653	20,753	3.7%
Direct Labor	242,700	220,700	(22,000)	-9.1%
Overhead Expense	681,500	703,294	21,794	3.2%
Sub-Total	1,699,700	1,673,492	(26,208)	-1.5%
Deduct WIRAB Indirect	(435,600)	(424,050)	11,550	-2.7%
<b>Total Expense</b>	<b>1,264,100</b>	<b>1,249,442</b>	<b>(14,658)</b>	<b>-1.2%</b>

**Proposed Budget -- FY 2019-20**

The WIEB FY 2019-20 budget is based on an income projection of \$793,300. Table 4 shows the projected income.

**Table 4. Projected Income -- FY 2019-20.**

Income Category	Approved FY 2018-19 Budget	Projected FY 2019-20 Income	Difference	% Change
Membership Dues	169,000	205,000	36,000	21.3%
Interest	3,500	3,500	0	0.0%
Western Conference PSC	25,000	25,000	0	0.0%
REP Partners		80,000		
DOE - NE	200,000	200,000	0	0.0%
DOE - OE		100,000	100,000	
DOE - SETO	816,800	179,800	(637,000)	-78.0%
<b>Total Income</b>	<b>1,214,300</b>	<b>793,300</b>	<b>(421,000)</b>	<b>-34.7%</b>

Key assumptions underlying the income projection include:

- Membership funding of \$205,000 to support the work of WIEB and its committees (no increase in membership dues);

Western Interstate Energy Board  
 Fiscal Year 2019-20 Work Plan and Budget  
 April 17, 2019

- \$25,000 from the Western Conference of Public Service Commissioners;
- \$200,000 from the U.S. DOE Office of Nuclear Energy for state engagement on transportation of high-level radioactive waste (HLRW) and spent nuclear fuel (SNF);
- \$100,000 from the U.S. DOE Office of Electricity for state engagement on electricity policy;
- \$179,800 from the U.S. DOE Solar Energy Technologies Office to address barriers to solar PV deployment; and
- \$80,000 from Reserve Expenditure Plan partners, consisting of \$50,000 for the REP flexibility project and \$30,000 for the resource adequacy project.

The WIEB FY 2019-20 budget includes projected expenditures of \$841,700. This is a decrease of \$422,400 (33.4%) from the current fiscal year budget. The Increase in state travel is attributable to the U.S. DOE Office of Electricity cooperative agreement, which provides funding to increase attendance at Joint CREPC-WIRAB Meetings by energy office officials and utility regulators. The increase in overhead expense is attributable to increases in health insurance expenses. The following table compares the proposed FY 2019-20 budget to the current year budget by expense category.

**Table 5. Projected Expense – FY 2019-20**

Expense Category	Approved FY 2018-19 Budget	FY 2019-20	Difference	% Change
Meeting Expense	51,600	104,300	52,700	102.1%
State Travel	87,300	109,400	22,100	25.3%
Staff Travel	71,700	80,000	8,300	11.6%
Subcontracts	564,900	109,900	(455,000)	-80.5%
Direct Labor	242,700	207,000	(35,700)	-14.7%
Overhead Expense	681,500	711,200	29,700	4.4%
Sub-Total	1,699,700	1,321,800	(377,900)	-22.2%
Deduct WIRAB Indirect	(435,600)	(480,100)	(44,500)	10.2%
<b>Total Expense</b>	<b>1,264,100</b>	<b>841,700</b>	<b>(422,400)</b>	<b>-33.4%</b>

Table 6 shows projected expenses by committee or project.

**Table 6. Projected Expense – FY 2019-20**

Committee / Project	Approved FY 2018-19 Budget	FY 2019-20	Difference	% Change
WIEB Board Activities	206,300	61,700	(144,600)	-70.1%
HLRWC Activities	200,000	203,400	3,400	1.7%
REP Activities		160,700	160,700	
DOE-SETO Project Activities	816,800	179,800	(637,000)	-78.0%
CREPC Activities	41,000	196,600	155,600	379.5%
EIM-BOSR Activities		39,500	39,500	
<b>Total Expense</b>	<b>1,264,100</b>	<b>841,700</b>	<b>(422,400)</b>	<b>-33.4%</b>

## 2019-2020 WIEB Initiatives

### WIEB-DOE Solar Energy Technologies Office Project

With funding awarded to WIEB under the U.S. DOE Solar Energy Technologies Office (SunShot) Initiative, WIEB will continue to work with the National Renewable Energy Laboratory (NREL) and Lawrence Berkeley National Laboratory (LBNL) to remove or mitigate interconnection, utility rate design, and reliability barriers to the deployment of distributed solar PV generation in the West. With the assistance of the project’s Technical Advisory Committees and Strategic Advisory Committees, WIEB will produce policy recommendations and develop outreach plans and materials to help Western states mitigate or remove these deployment barriers.

### Western Resource Planners Forum

With funding provided under WIEB’s REP, WIEB will build on its past accomplishments, continuing to work with the Center for the New Energy Economy (CNEE) and a steering committee of resource planners and influential industry experts to convene utility resource planners, state regulators and policymakers, and other experts to explore and develop specific recommendations to address emerging and cross-cutting resource planning, procurement, delivery, and electricity market issues.

### Flexibility Assessment: Future Grid Scenario

With funding provided under WIEB’s REP, WIEB will organize and oversee an effort to analyze the operational flexibility of the electric grid in the Western Interconnection. Technological innovation and public policies are leading to significant changes in the resource



mix of the electric sector. This analysis will examine transmission, resource dispatch, and cost-of-service questions under a variety of future scenarios, helping to inform states and provinces in their efforts to meet policy objectives while maintaining reliability and working to serve customers at least-cost.

### **Resource Adequacy in the Western Interconnection**

With funding provided under WIEB's REP, WIEB will work to evaluate methodologies currently used to determine Resource Adequacy (RA), identify alternative RA methodologies and best practices, and identify strategies that western jurisdictions may consider to improve current RA practices and achieve a more efficient and reliable western grid.

### **Building the Western Energy Innovation Network**

With funding provided under WIEB's REP, WIEB will work with the Northwest Energy Innovation Alliance (NEIA) to help remove barriers to the ability of western energy research, development, and demonstration (RD&D) projects and technologies to overcome the "valley of death" between product prototype and commercialization.

### **WIEB Policies on the Transportation of Spent Nuclear Fuel**

WIEB's High-Level Radioactive Waste (HLRW) Committee will continue its efforts to develop policies regarding an acceptable and comprehensive spent nuclear fuel (SNF) transportation program. The HLRW Committee will present additional policy statements for the WIEB Board's consideration in FY 2019-20.

### **WIEB 2019 Summer Internship**

In June of 2019, WIEB will welcome a new group of Stanford University students to the Denver office, where students completing a 2-month internship will work closely with WIEB staff to develop a database of information about spent nuclear fuel generated by commercial power plants. Using this data, student interns will work with WIEB staff and WIEB's HLRWC to characterize stores of spent nuclear fuel, develop a set of policy recommendations, and inform future efforts to transport spent nuclear fuel to interim storage and/or permanent repository locations.

### **WIEB-WGA Collaboration on State Policy Matters**

In FY 2018-2019, WIEB worked with the Western Governors' Association (WGA) in an effort to preserve states' legal authority to conduct water quality certifications under Section 401 of the Clean Water Act. WIEB will continue to seek opportunities to collaborate with WGA on state energy policy matters.

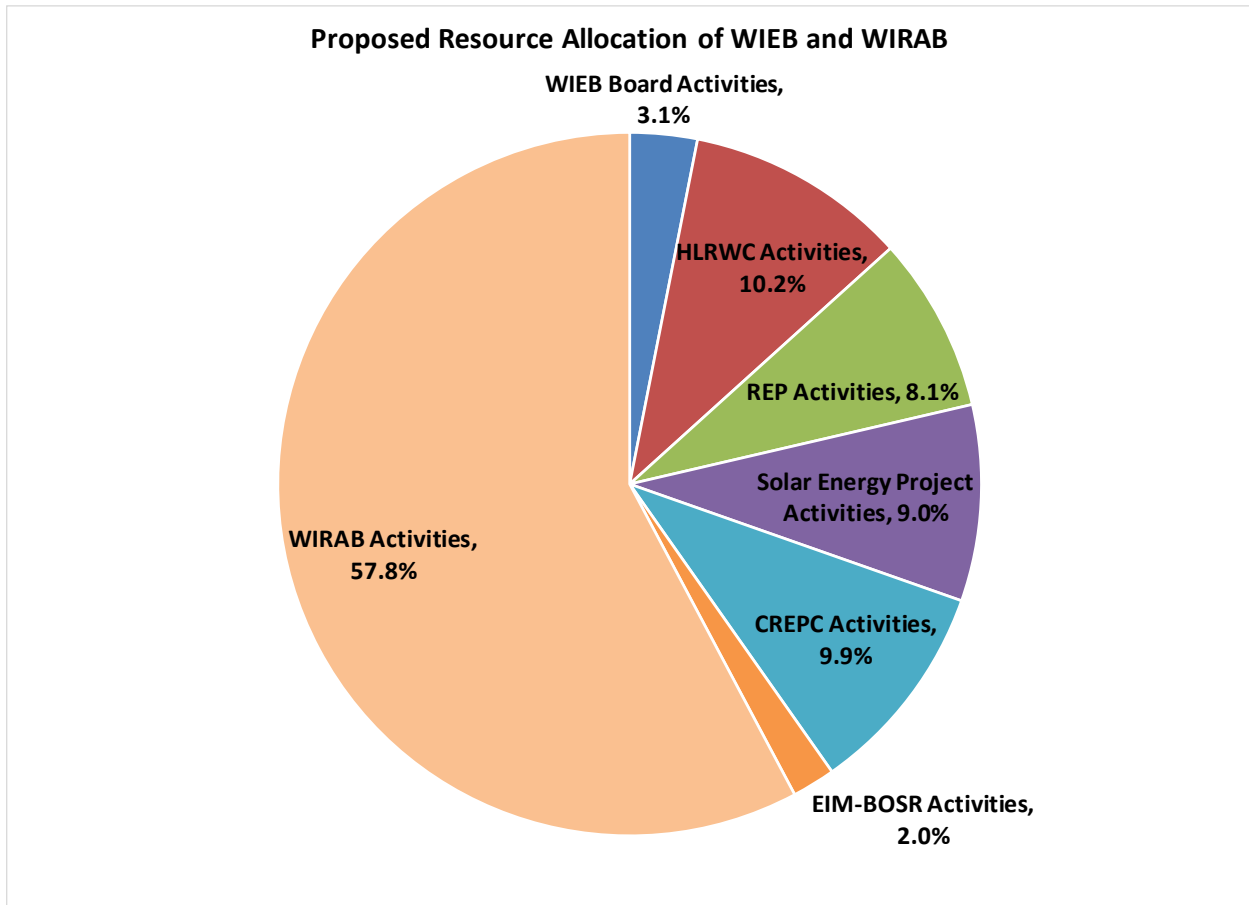
## Budget Analysis

Although the WIEB Board does not approve the budget of the Western Interconnection Regional Advisory Body (WIRAB), the Board should monitor the development of the WIRAB budget because WIEB and WIRAB share personnel and overhead expenses. The WIRAB budget is developed separately on a calendar year basis and submitted to the Federal Energy Regulatory Commission (FERC) for approval. Table 7 shows the WIEB and WIRAB budgets on a consolidated fiscal year basis for informational purposes only. WIEB expenses represent 42 percent, and WIRAB expenses 58 percent, of the consolidated budget.

**Table 7. Consolidated WIEB and WIRAB Expenses – FY 2019-20.**

Expense Category	WIEB FY 2019-20	WIRAB FY 2019-20	Consolidated
Meeting Expense	104,300	55,500	159,800
State Travel	109,400	30,000	139,400
Staff Travel	80,000	56,000	136,000
Subcontracts	109,900	100,000	209,900
Direct Labor	207,000	429,900	636,900
Overhead Expense	711,200	-	711,200
Sub-Total	1,321,800	671,400	1,993,200
Deduct/Add WIRAB Indirect	(480,100)	480,100	
<b>Total Expense</b>	<b>841,700</b>	<b>1,151,500</b>	<b>1,993,200</b>
Percentage	42%	58%	100%

The following figure shows the breakdown of projected expenses by committee and project.



It is also important to separate estimated expenses for WIEB in the coming fiscal year into core and non-core expenses, in order to provide a more complete picture of the organization’s minimum operating requirements. Core expenses are permanent on-going expenses that represent the minimum operating requirements of WIEB. Non-core expenses are temporary expenses that would not be incurred but for specific short-term grants and contractual obligations. In FY 2019-20 core expenses total \$370,100 (44%) and non-core expenses total \$471,800 (56%) of the WIEB budget.

Estimating WIEB’s overall core expense is inexact because it involves predicting the disposition of WIEB’s non-core labor and its impact on the calculation of the WIEB indirect rate and the WIRAB indirect expense. For example, if the non-core labor is shifted to WIRAB, then the indirect rate would remain the same and WIRAB would bear a greater share of the overhead expense. Alternatively, if the non-core labor is not retained, then the indirect rate would increase significantly and WIRAB would bear a greater share of a slightly reduced overhead expense. In FY 2020-21, the non-core labor presently associated with the Solar Energy Technologies Office award (57.6% of the non-core labor expense) will shift to WIRAB to work on reliability issues related to inverter-based generating resources. To account for this impact in the calculation WIEB’s core expense, the deduction for WIRAB indirect expense is increased by \$63,900.

WIEB’s core expenses are reduced, and its non-core expenses increased, by this amount. Table 8 shows a breakdown of the WIEB core and non-core expenses.

**Table 8. WIEB Core and Non-Core Expenses – FY 2019-20**

Expense Category	WIEB FY 2019-20	Core FY 2019-20	Non-Core FY 2019-20
Meeting Expense	104,300	36,800	67,500
State Travel	109,400	41,000	68,400
Staff Travel	80,000	8,000	72,000
Subcontracts	109,900	-	109,900
Direct Labor	207,000	139,400	67,800
Overhead Expense	711,200	688,900	22,300
Sub-Total	1,321,800	914,100	407,900
Deduct WIRAB Indirect	(480,100)	(544,000)	63,900
<b>Total Expense</b>	<b>841,700</b>	<b>370,100</b>	<b>471,800</b>
Percentage	100%	44%	56%

The following section provides a detailed description of the WIEB budget by expense category:

**Personnel Expense:** Direct labor expense in the WIEB budget totals \$207,000. The WIEB budget includes 2.45 FTE. The WIRAB budget includes 4.5 FTE. The salaries of 2.05 additional FTE are included in Overhead Expense and allocated to both WIEB and WIRAB. The detailed breakdown is as follows:

- The WIEB core personnel expense of \$139,400 includes 35 percent of the Executive Director salary, 95 percent of the High-level Radioactive Waste Program Manager salary, and small percentages of the salary of two Policy Analysts (1.7 FTE).
- The WIEB non-core personnel expense of \$67,800 includes 50 percent of the Solar Energy Technologies Office (SETO) Project Manager salary, and small percentages of the salary of two Policy Analysts working on Reserve Expenditure Plan projects (0.75 FTE).
- The WIRAB personnel expense includes 60 percent of the Executive Director salary, 100 percent of the salary of one Policy Analyst, and large percentages of the salary of four Policy Analysts (4.5 FTE).
- Overhead labor expense includes 5 percent of the Executive Director salary and 100 percent of the salaries of the WIEB Financial Manager and WIEB Meeting Planner (2.05 FTE).

FTE). These personnel costs are included in Overhead Expense and allocated to both WIEB and WIRAB.

**Overhead Expense:** Overhead expenses for WIEB total \$711,200. Overhead covers office expenses and employee benefits. The WIEB indirect rate of 111.6 percent is the ratio of overhead expense to direct labor expense. The indirect rate is used to allocate a portion of the total overhead expense to WIRAB in proportion to WIRAB's total direct labor expense. The budget breakdown is as follows:

- WIEB's non-core overhead expense totals \$22,300. This reflects the vacation/sick leave, health insurance, retirement, and payroll tax expenses associated with WIEB non-core personnel expense.
- WIEB's core overhead expense totals \$688,900. This is calculated by subtracting non-core overhead expenses from WIEB's total overhead expense.
- WIRAB's indirect expense totals \$544,000. This is calculated by multiplying the WIRAB personnel expense by the 111.6 percent indirect rate. The WIRAB indirect deduction covers 76 percent of WIEB's overhead expense.

**Subcontracts:** Subcontract expense in the WIEB budget totals \$109,900. The budget breakdown is as follows:

- WIEB's subcontract with the Lawrence Berkeley National Laboratory for work it is conducting for the Solar Energy Technologies Office award totals \$9,900.
- WIEB's non-labor expense budgeted for WIEB's Reserve Expenditure Plan projects totals \$100,000. This includes \$50,000 for the REP Flexibility Assessment project and \$50,000 for other REP projects. The \$50,000 for the REP Flexibility Assessment is matched with equal funding from external REP partners.
- These subcontract expenses are all non-core expenses.

Personnel expenses, overhead expenses, and subcontract expenses account for 78 percent of the WIEB budget. Meeting expenses, state travel expenses, and staff travel expenses account for the remaining 22 percent. The following is a description of WIEB core expenses in these three categories:

- WIEB core meeting expenses include the Annual WIEB Board Meeting and a portion of conference room expenses associated with the Spring and Fall Joint CREPC-WIRAB Meetings.
- WIEB core state travel expense includes expenses associated with travel for state/provincial representatives to attend the Annual WIEB Board Meeting

- WIEB core staff travel expenses include expenses associated with sending WIEB staff members to the Annual WIEB Board Meeting.

## Reserve Policy and Reserve Expenditure Plan

In 2017 and 2018, WIEB adopted a funding reserve target equal to 2 times the annual core expenses of the organization. The level of reserves needed to cover core expenditures for two years is \$740,200. This level of reserve would allow WIEB to maintain minimum operating requirements for two years without outside funding. Given the length of time in federal budget cycles and procurement, two years is a reasonable amount of time in which to secure additional funding.

WIEB financial reserves as of June 30, 2019 are expected to total \$1,731,000 (see Table A8 for a detailed breakdown). This amount does not include prepayment of funding for WIRAB. Surplus reserves, the amount of financial reserves above the target level of reserves, is \$990,800. The ratio of surplus financial reserves to targeted financial reserves is 1.3 to 1. Table 9 shows these calculations.

**Table 9. WIEB Financial Reserves – FY 2019-20**

Description	Amount
WIEB Financial Reserves as of 6/30/2019	1,731,000
Annual Core Expense FY 2019-20	370,100
Reserve Target (= Core Expense x 2 Years)	740,200
Surplus Reserves	990,800
Ratio of Surplus Reserves to Reserve Target	1.3
8-Year Glide Path (\$ per year)	123,900

On July 27, 2017, WIEB adopted a Reserve Expenditure Plan (REP) to reduce WIEB's financial reserves to the targeted level over a 10-year time-period. Through the REP, WIEB will fund electricity and non-electricity energy projects sponsored by WIEB Board members and approved by the WIEB Board. Although the 8-year glide path to reach the target level of reserves is \$123,900 per year; the proposed budget for FY 2019-20 includes spending of \$160,700 for REP projects. This amount is comprised of \$28,700 in direct labor expense, \$32,000 in indirect expense, and \$100,000 in subcontract expenses. The proposed \$160,700 spending level is projected to reduce the WIEB reserves by \$48,400. This conservative approach is appropriate because additional funding of REP projects would require additional staff resources which are not available at this time. See Appendix B: Western Interstate Energy Board Reserve Expenditure Plan.

WIEB financial reserves totaled \$1,909,561 as of June 30, 2017 and \$1,838,803 as of June 30, 2018, based on results of annual financial audits. WIEB financial reserves as of June 30, 2019 are expected to total \$1,731,000. Over this two-year period, financial reserves are projected to decrease by a total of \$178,561, or \$89,281 per year.

## **Budget Recommendation**

WIEB staff recommends that the Board approve the proposed FY 2019-20 budget with the following authorizations:

- 1) Authorize the acceptance of funds in the areas of radioactive waste, regional electricity cooperation, transmission planning, distributed energy resources, and emerging energy markets;
- 2) Authorize the Executive Committee (Chair, First Vice Chair, Second Vice Chair, and Treasurer) to approve, between meetings of the Board, the acceptance of funds in other areas, upon the written advice of members of the Board;
- 3) Authorize the Executive Committee to approve merit increases and the exact cost-of-living increase for employees based on the increase in the consumer price index for the Denver region;
- 4) Adopt a funding reserve target equal to 2 times the annual core expense of the Western Interstate Energy Board;
- 5) Reauthorize WIEB's Reserve Expenditure Plan with a funding limit of \$160,700 for FY 2019-20;
- 6) Approve the following selection criteria for Reserve Expenditure Plan projects:
  - a. Does the project address an important energy issue in the West?
  - b. Does the issue have multi-state/province implications?
  - c. Is the issue being examined by other organizations?
  - d. Are other organizations better situated to examine the issue?
  - e. Are there opportunities to productively partner with other organizations to examine the issue?
  - f. Will work on the issue provide practical information regarding energy projects in the west?
  - g. Is there an opportunity to leverage additional funding to support the work on the issue?
  - h. Will work on the issue "enhance the economy of the West and contribute to the individual and community well-being of the region's people?"

- 7) Authorize the Executive Director and Treasurer to act as financial agents of the Western Interstate Energy Board.

## **Appendix A – Detailed Tables**

Table A1: Current Income -- FY 2018-19  
Table A2: Current Expense -- FY 2018-19  
Table A3: Projected Income -- FY 2019-20  
Table A4: Projected Expense -- FY 2019-20  
Table A5: Core v. Non-Core Expense – FY 2019-20  
Table A6: Consolidated Budgets – FY 2019-20  
Table A7: Bank Balances and Investments – 2/28/2019  
Table A8: Financial Reserves – 6/30/2019



Western Interstate Energy Board  
 Fiscal Year 2019-20 Work Plan and Budget  
 April 17, 2019

**Table A1. WIEB Current Income – FY 2018-19**

Income Category	Approved FY 2018-19 Budget	Received as of 12/31/2018	Projected as of 6/30/2019	Difference	% Change
<b>Unrestricted Income</b>					
Membership Dues					
Arizona	9,000		9,000	0	0.0%
California	18,000		18,000	0	0.0%
Colorado	18,000	9,000	18,000	0	0.0%
Idaho	18,000	18,000	18,000	0	0.0%
Montana	18,000	18,000	18,000	0	0.0%
New Mexico	0	0	0	0	
Nevada	18,000	12,000	18,000	0	0.0%
Oregon	18,000	18,000	18,000	0	0.0%
Utah	18,000	18,000	18,000	0	0.0%
Washington	18,000	7,500	18,000	0	0.0%
Wyoming	0	0	0	0	
Associate Member Dues					
Alberta	8,000	8,000	8,000	0	0.0%
British Columbia	8,000	8,000	8,000	0	0.0%
Sub-Total	169,000	116,500	169,000	0	0.0%
Interest Income	3,500	1,891	3,500	0	0.0%
<b>Total Unrestricted</b>	<b>172,500</b>	<b>118,391</b>	<b>172,500</b>	<b>0</b>	<b>0.0%</b>
<b>Restricted Income</b>					
Western Conference PSC	25,000	25,000	25,000	0	0.0%
REP Partners		40,000	90,000	90,000	100.0%
DOE - NE	200,000	74,003	200,000	0	0.0%
DOE - OE		31,337	82,000	82,000	100.0%
DOE - SETO	816,800	391,871	572,182	(244,618)	-29.9%
<b>Total Restricted</b>	<b>1,041,800</b>	<b>562,211</b>	<b>969,182</b>	<b>(72,618)</b>	<b>-7.0%</b>
<b>Total Income</b>	<b>1,214,300</b>	<b>680,602</b>	<b>1,141,682</b>	<b>(72,618)</b>	<b>-6.0%</b>

Western Interstate Energy Board  
Fiscal Year 2019-20 Work Plan and Budget  
April 17, 2019

**Table A2. WIEB Current Expense – FY 2018-19**

Expense Category	Approved FY 2018-19 Budget	Recorded as of 12/31/2018	Projected as of 6/30/2019	Difference	% Change
<b>MEETING EXPENSES</b>					
WIEB Annual Board Meeting	5,000		4,000	(1,000)	-20.0%
Spring Joint CREPC-WIRAB Meeting	5,000		10,000	5,000	100.0%
Fall Joint CREPC-WIRAB Meeting	5,000	13,121	13,121	8,121	162.4%
Leadership Retreat		2,548	2,548	2,548	100.0%
HLRWC Annual Meeting	6,000	7,048	9,000	3,000	50.0%
SETO Meetings	27,600	2,240	7,500	(20,100)	-72.8%
Teleconference - Per Minute	3,000	3,340	5,000	2,000	66.7%
	51,600	28,297	51,169	(431)	-0.8%
<b>STATE TRAVEL</b>					
WIEB Annual Board Meeting	4,000		4,000	0	0.0%
Spring Joint CREPC-WIRAB Meeting	14,000		15,000	1,000	7.1%
Fall Joint CREPC-WIRAB Meeting	14,000	18,717	18,717	4,717	33.7%
Leadership Retreat		12,246	12,246	12,246	100.0%
HLRWC Meetings	11,000	8,688	11,000	0	0.0%
SETO Meetings	44,300	0	5,000	(39,300)	-88.7%
	87,300	39,651	65,963	(21,337)	-24.4%
<b>STAFF TRAVEL</b>					
WIEB Annual Board Meeting	5,000	2,963	5,000	0	0.0%
Spring Joint CREPC-WIRAB Meeting	1,500		3,500	2,000	133.3%
Fall Joint CREPC-WIRAB Meeting	1,500	3,713	3,713	2,213	147.5%
HLRWC Meetings	3,000	1,500	1,500	(1,500)	-50.0%
SETO Meetings	40,700	3,636	15,000	(25,700)	-63.1%
WIEB Other	10,000	7,277	10,000	0	0.0%
HLRW Other	10,000	2,570	8,000	(2,000)	-20.0%
	71,700	21,659	46,713	(24,987)	-34.8%
<b>PROJECTS &amp; SUBCONTRACTS</b>					
WIEB REP Projects	66,900	34,792	154,000	87,100	130.2%
SETO NREL	407,800	308,047	341,807	(65,993)	-16.2%
SETO LBNL	90,200	61,478	89,846	(354)	-0.4%
	564,900	404,317	585,653	20,753	3.7%
<b>PERSONNEL EXPENSE</b>					
Direct Labor	242,700	107,800	220,700	(22,000)	-9.1%
<b>OVERHEAD EXPENSE</b>					
Overhead Labor	233,400	132,825	260,000	26,600	11.4%
Payroll Taxes	72,000	34,300	69,500	(2,500)	-3.5%
Health & Life Ins.	103,600	59,250	110,570	6,970	6.7%
401(k) Expense	68,000	33,800	66,000	(2,000)	-2.9%
Liability & W. Comp. Ins.	10,500	10,424	10,424	(76)	-0.7%
Office Rent	114,900	57,104	108,800	(6,100)	-5.3%
Telephone	13,800	5,795	13,000	(800)	-5.8%
Equipment	9,000	3,611	7,000	(2,000)	-22.2%
Payroll Expense - PayCheck	3,800	1,838	3,800	0	0.0%
Teleconference - ReadyTalk	1,900	978	1,900	0	0.0%
Auditing	12,000		12,000	0	0.0%
Eco Pass	5,000	5,200	5,200	200	4.0%
Computer Network	19,500	10,750	20,000	500	2.6%
Dues & Subscriptions	4,000	2,000	3,000	(1,000)	-25.0%
Supplies	9,000	5,523	10,000	1,000	11.1%
Other Overhead	1,100	1,230	2,100	1,000	90.9%
	681,500	364,628	703,294	21,794	3.2%
<b>TOTAL</b>					
Total Expense	1,699,700	966,352	1,673,492	(26,208)	-1.5%
Deduct/Add WIRAB Indirect Expense	(435,600)	(212,012)	(424,050)	11,550	-2.7%
<b>Total Expense</b>	<b>1,264,100</b>	<b>754,340</b>	<b>1,249,442</b>	<b>(14,658)</b>	<b>-1.2%</b>

**Table A3. WIEB Projected Income – FY 2019-20**

Income Category	Approved FY 2018-19 Budget	Projected FY 2019-20 Income	Difference	% Change
<b>Unrestricted Income</b>				
Membership Dues				
Arizona	9,000	9,000	0	0.0%
California	18,000	18,000	0	0.0%
Colorado	18,000	18,000	0	0.0%
Idaho	18,000	18,000	0	0.0%
Montana	18,000	18,000	0	0.0%
New Mexico	0	18,000	18,000	
Nevada	18,000	18,000	0	0.0%
Oregon	18,000	18,000	0	0.0%
Utah	18,000	18,000	0	0.0%
Washington	18,000	18,000	0	0.0%
Wyoming	0	18,000	18,000	
Associate Member Dues				
Alberta	8,000	8,000	0	0.0%
British Columbia	8,000	8,000	0	0.0%
Sub-Total	169,000	205,000	36,000	21.3%
Interest Income	3,500	3,500	0	0.0%
<b>Total Unrestricted</b>	<b>172,500</b>	<b>208,500</b>	<b>36,000</b>	<b>20.9%</b>
<b>Restricted Income</b>			0	
Western Conference PSC	25,000	25,000	0	0.0%
REP Partners		80,000		
DOE - NE	200,000	200,000	0	0.0%
DOE - OE		100,000		
DOE - SETO	816,800	156,800	(660,000)	-80.8%
<b>Total Restricted</b>	<b>1,041,800</b>	<b>561,800</b>	<b>(480,000)</b>	<b>-46.1%</b>
<b>Total Income</b>	<b>1,214,300</b>	<b>770,300</b>	<b>(444,000)</b>	<b>-36.6%</b>

Western Interstate Energy Board  
Fiscal Year 2019-20 Work Plan and Budget  
April 17, 2019

**Table A4. WIEB Projected Expense – FY 2019-20**

Expense Category	Approved FY 2018-19 Budget	Projected FY 2019-20 Expense	Difference	% Change
<b>MEETING EXPENSES</b>				
WIEB Annual Board Meeting	5,000	5,000	0	0.0%
Spring Joint CREPC-WIRAB Meeting	5,000	25,900	20,900	418.0%
Fall Joint CREPC-WIRAB Meeting	5,000	25,900	20,900	418.0%
EIM BOSR Meetings		4,000	4,000	
Leadership Retreat		500	500	
HLRWC Meetings	6,000	10,000	4,000	66.7%
SETO Meetings	27,600	10,000	(17,600)	-63.8%
Teleconference - Per Minute	3,000	3,000	0	0.0%
	51,600	84,300	32,700	63.4%
<b>STATE TRAVEL</b>				
WIEB Annual Board Meeting	4,000	4,000	0	0.0%
Spring Joint CREPC-WIRAB Meeting	14,000	36,000	22,000	157.1%
Fall Joint CREPC-WIRAB Meeting	14,000	36,000	22,000	157.1%
Leadership Retreat		6,000	6,000	
HLRW Annual Meeting	11,000	11,000	0	0.0%
SETO Advisory Committee Meetings	44,300	16,400	(27,900)	-63.0%
	87,300	109,400	22,100	25.3%
<b>STAFF TRAVEL</b>				
WIEB Annual Board Meeting	5,000	5,000	0	0.0%
Spring Joint CREPC-WIRAB Meeting	1,500	2,000	500	33.3%
Fall Joint CREPC-WIRAB Meeting	1,500	2,000	500	33.3%
Leadership Retreat		2,000	2,000	
HLRW Annual Meeting	3,000	3,000	0	0.0%
SETO Advisory Committee Meetings	40,700	38,000	(2,700)	-6.6%
WIEB Other	10,000	10,000	0	0.0%
HLRW Other	10,000	15,000	5,000	50.0%
	71,700	77,000	5,300	7.4%
<b>PROJECTS &amp; SUBCONTRACTS</b>				
WIEB REP Projects	66,900	110,000	43,100	64.4%
SETO NREL	407,800	0	(407,800)	-100.0%
SETO LBNL	90,200	9,900	(80,300)	-89.0%
	564,900	119,900	(445,000)	-78.8%
<b>PERSONNEL EXPENSE</b>				
Direct Labor	242,700	207,000	(35,700)	-11.3%
<b>OVERHEAD EXPENSE</b>				
Overhead Labor	233,400	252,200	18,800	8.1%
Payroll Taxes	72,000	70,700	(1,300)	-1.8%
Health & Life Ins.	103,600	121,000	17,400	16.8%
401(k) Expense	68,000	66,700	(1,300)	-1.9%
Liability & W. Comp. Ins.	10,500	10,500	0	0.0%
Office Rent	114,900	110,000	(4,900)	-4.3%
Telephone	13,800	13,800	0	0.0%
Equipment	9,000	9,000	0	0.0%
Payroll Expense - PayCheck	3,800	3,800	0	0.0%
Teleconference - ReadyTalk	1,900	1,900	0	0.0%
Auditing	12,000	13,000	1,000	8.3%
Eco Pass	5,000	5,000	0	0.0%
Computer Network	19,500	19,500	0	0.0%
Dues & Subscriptions	4,000	4,000	0	0.0%
Supplies	9,000	9,000	0	0.0%
Other Overhead	1,100	1,100	0	0.0%
	681,500	711,200	29,700	4.4%
<b>TOTAL</b>				
Total Expense	1,699,700	1,308,800	(390,900)	-23.0%
Deduct WIRAB Indirect Expense	(435,600)	(480,100)	(44,500)	10.2%
<b>Total Expense</b>	<b>1,264,100</b>	<b>828,700</b>	<b>(435,400)</b>	<b>-34.4%</b>

Western Interstate Energy Board  
Fiscal Year 2019-20 Work Plan and Budget  
April 17, 2019

**Table A5: WIEB Core v. Non-Core Expense – FY 2019-20**

Expense Category	WIEB FY 2019-20 Expense	Core	Non-Core
<b>MEETING EXPENSES</b>			
WIEB Annual Board Meeting	5,000	5,000	0
Spring Joint CREPC-WIRAB Meeting	25,900	12,900	13,000
Fall Joint CREPC-WIRAB Meeting	25,900	12,900	13,000
EIM BOSR Meetings	4,000	0	4,000
Leadership Retreat	500	0	500
HLRWC Meetings	10,000	5,000	5,000
SETO Meetings	30,000	0	30,000
Teleconference - Per Minute	3,000	1,000	2,000
	104,300	36,800	67,500
<b>STATE TRAVEL</b>			
WIEB Annual Board Meeting	4,000	4,000	0
Spring Joint CREPC-WIRAB Meeting	36,000	13,000	23,000
Fall Joint CREPC-WIRAB Meeting	36,000	13,000	23,000
Leadership Retreat	6,000	0	6,000
HLRWC Meetings	11,000	11,000	0
SETO Meetings	16,400	0	16,400
	109,400	41,000	68,400
<b>STAFF TRAVEL</b>			
WIEB Annual Board Meeting	5,000	2,000	3,000
Spring Joint CREPC-WIRAB Meeting	2,000	2,000	0
Fall Joint CREPC-WIRAB Meeting	2,000	2,000	0
Leadership Retreat	2,000	0	2,000
HLRWC Meetings	3,000	2,000	1,000
SETO Meetings	41,000	0	41,000
WIEB Other	10,000	0	10,000
HLRW Other	15,000	0	15,000
	80,000	8,000	72,000
<b>PROJECTS &amp; SUBCONTRACTS</b>			
WIEB REP Projects	100,000	0	100,000
SETO NREL	0	0	0
SETO LBNL	9,900	0	9,900
	109,900	0	109,900
<b>PERSONNEL EXPENSE</b>			
Direct Labor	207,000	139,400	67,800
<b>OVERHEAD EXPENSE</b>			
Overhead Labor	252,200	241,200	11,000
Payroll Taxes	70,700	67,600	3,100
Health & Life Ins.	121,000	115,700	5,300
401(k) Expense	66,700	63,800	2,900
Liability & W. Comp. Ins.	10,500	10,500	
Office Rent	110,000	110,000	
Telephone	13,800	13,800	
Equipment	9,000	9,000	
Payroll Expense - PayCheck	3,800	3,800	
Teleconference - ReadyTalk	1,900	1,900	
Auditing	13,000	13,000	
Eco Pass	5,000	5,000	
Computer Network	19,500	19,500	
Dues & Subscriptions	4,000	4,000	
Supplies	9,000	9,000	
Other Overhead	1,100	1,100	
	711,200	688,900	22,300
<b>TOTAL</b>			
Total Expense	1,321,800	914,100	407,900
Deduct WIRAB Indirect Expense	(480,100)	(544,000)	63,900
<b>Total Expense</b>	<b>841,700</b>	<b>370,100</b>	<b>471,800</b>
Percent	100%	44%	56%

Western Interstate Energy Board  
Fiscal Year 2019-20 Work Plan and Budget  
April 17, 2019

**Table A6: Consolidated Budgets – FY 2019-20**

Expense Category	WIEB FY 2019-20	WIRAB FY 2019-20	Consolidated
<b>MEETING EXPENSES</b>			
WIEB Annual Board Meeting	5,000		5,000
Spring Joint CREPC-WIRAB Meeting	25,900	25,900	51,800
Fall Joint CREPC-WIRAB Meeting	25,900	25,900	51,800
EIM BOSR Meetings	4,000		4,000
Leadership Retreat	500	500	1,000
HLRWC Meetings	10,000		10,000
SETO Advisory Committee Meetings	30,000	-	30,000
Teleconference - Per Minute	3,000	3,200	6,200
	104,300	55,500	159,800
<b>STATE TRAVEL</b>			
WIEB Annual Board Meeting	4,000		4,000
Spring Joint CREPC-WIRAB Meeting	36,000	14,000	50,000
Fall Joint CREPC-WIRAB Meeting	36,000	14,000	50,000
Leadership Retreat	6,000	2,000	8,000
HLRWC Meetings	11,000		11,000
SETO Advisory Committee Meetings	16,400		16,400
	109,400	30,000	139,400
<b>STAFF TRAVEL</b>			
WIEB Annual Board Meeting	5,000		5,000
Spring Joint CREPC-WIRAB Meeting	2,000	2,000	4,000
Fall Joint CREPC-WIRAB Meeting	2,000	2,000	4,000
Leadership Retreat	2,000	2,000	4,000
HLRWC Meetings	3,000		3,000
SETO Advisory Committee Meetings	41,000	-	41,000
WIEB Other	10,000		10,000
WIRAB Other		50,000	50,000
HLRW Other	15,000		15,000
	80,000	56,000	136,000
<b>PROJECTS &amp; SUBCONTRACTS</b>			
WIEB REP Projects	100,000		100,000
SETO NREL	-		0
SETO LBNL	9,900		9,900
WIRAB GridSME		75,000	75,000
WIRAB Other		25,000	25,000
	109,900	100,000	209,900
<b>PERSONNEL EXPENSE</b>			
Direct Labor	207,000	429,900	636,900
<b>OVERHEAD EXPENSE</b>			
Overhead Labor	252,200		252,200
Payroll Taxes	70,700		70,700
Health & Life Ins.	121,000		121,000
401(k) Expense	66,700		66,700
Liability & W. Comp. Ins.	10,500		10,500
Office Rent	110,000		110,000
Telephone	13,800		13,800
Equipment	9,000		9,000
Payroll Expense - PayCheck	3,800		3,800
Teleconference - ReadyTalk	1,900		1,900
Auditing	13,000		13,000
Eco Pass	5,000		5,000
Computer Network	19,500		19,500
Dues & Subscriptions	4,000		4,000
Supplies	9,000		9,000
Other Overhead	1,100		1,100
	711,200	0	711,200
<b>TOTAL</b>			
Total Expense	1,321,800	671,400	1,993,200
Deduct/Add WIRAB Indirect Expense	(480,100)	480,100	
<b>Total Expense</b>	<b>841,700</b>	<b>1,151,500</b>	<b>1,993,200</b>
Percentage	42%	58%	100%

**Table A7: Bank Balances and Investments – 2/28/2019**

Institution/Account	Rate	Duration	Date of Maturity	Balance as of 2/28/2019
<u>WIEB Bank Accounts</u>				
U.S. Bank Checking				115,379
U.S. Bank Savings 1				1,655,919
U.S. Bank Savings 2				457,940
Wells Fargo				264,001
Bank Accounts				2,493,239
<u>WIEB Short-Term Investments</u>				
Pershing MM				118,349
U.S. Bank Acct# ***9512	0.150%	11 months	5/22/2019	115,160
U.S. Bank Acct# ***7149	0.150%	19 months	2/18/2020	115,461
Colo. State Bank & Trust ***0545	0.500%	9 months	9/6/2019	106,879
Colo. State Bank & Trust ***9894	2.670%	17 months	8/20/2020	159,691
Short-Term Investments				615,540
<u>WIEB Long-Term Investments</u>				
Int. Bond Fund of America ***6521		On-going		132,567
Long-Term Investments				132,567
<b>Total Bank Balances and Investments</b>				<b>3,241,346</b>

**Table A8: Financial Reserves – 6/30/2019**

Description	Amount
Total Assets as of 6/30/2018	3,372,437
Minus Capital Assests as of 6/30/2018	(7,840)
Minus Accounts Payable as of 6/30/2018	(14,327)
Minus Compensated Absences as of 6/30/2018	(141,641)
Minus WIRAB Reserves as of 6/30/2018	(1,369,826)
<b>WIEB Financial Reserves as of 6/30/2018</b>	<b>1,838,803</b>
Estimated FY 2018-19 Income as of 6/30/2019	1,141,682
Estimated FY 2018-19 Expense as of 6/30/2019	(1,249,442)
<b>WIEB Financial Reserves as of 6/30/2019</b>	<b>1,731,000</b>