Regional Solutions Advisory Committee: South Central Region

Klamath and Lake Counties

AGENDA

Thursday May 11, 2017
10:00 - noon
Klamath Community College, Building 6, Room H138
7390 South Sixth St
Klamath Falls, OR 97603

1-888-557-8511 code: 9470233

I. Introductions - Jane O'Keeffe, Governor's Convener

II. Re-cap of 2015 priority project available funds ($250,000) – Annette Liebe

III. Review and discuss Rural Infrastructure Projects – All
   a. Lake County Rail Bridge Improvements
   b. Malin Water System Project
   c. Bonanza Wastewater Project
   d. Chiloquin Wastewater Project
   e. Klamath Community College Energy Efficiency Project

IV. Public Comment on project proposals

V. Approve Rural Infrastructure Project(s)

VI. Klamath County Economic Development Association, Strategic Plan – Greg O'Sullivan, Executive Director

VII. Comprehensive Economic Development Strategy, emerging issues/update – Betty Riley, Executive Director

VIII. Discussion about potential revisions to Regional Priorities
(seek public comment at next meeting)

IX. Adjourn

South Central Regional Solutions Advisory Committee Members: Jane O'Keeffe, Governor's Convener, Brad Winters (Lake County), Carol Westfall (City of Klamath Falls), Chip Massie (OCF/Klamath Chamber), Bridgitte Griffin (Ag Sense, Inc.), Don Gentry (Klamath Tribes), Derrick DeGroot (Klamath County), Betty Riley (SCOEDD), Jim Walls (LCRI), Roberta Vanderwall (Town of Lakeview), Peter West (Energy Trust of Oregon).

Regional Solutions Team Members: Jon Jinings (DLCD), Kelly Hill (DEQ), Jarod Johnson (ODOT), Larry Holzgang (Business Oregon), Rob DelMar (ODOE), Kyle Gorman (OWRD), Kim Travis (OHCS), Scott Edelman (DLCD), Nancy Pustis (DSL), Damon Rinberg, (OED), Annette Liebe (Governor's Office-RST Coordinator).

The meeting location is accessible to persons with disabilities. To request an interpreter for the hearing impaired or for other accommodations for persons with disabilities, please make requests at least 48 hours before the meeting to Lisa Howard at 503-378-6550; at Lisa.Howard@Oregon.gov; or by TTY: Oregon Relay Services at 1-800-735-2900

MEMORANDUM

TO: South Central Regional Solutions Advisory Committee

FROM: South Central Regional Solutions Team

DATE: May 10, 2017

RE: RST Evaluation of Rural Infrastructure Projects

The South Central RST held a conference call on May 9th to discuss the applications received for the Rural Infrastructure funding available through the Regional Solutions Advisory Committee. The ranking below incorporates feedback from the team members. The purpose of the ranking is to provide feedback from the state agency team to the Advisory Committee; it is not binding on the committee. The criteria and point allocation for each were approved by the Committee In October 2016.

Name	**Impact on Regional Solutions priorities 25 pts**	**Does project support retention/ creation of jobs 25 pts**	**Alignment/ leverage of other funds 15 pts**	**Ready to proceed 20 pts**	**Community support/ capacity 15 pts**	**Total**
Bonanza Wastewater; land purchase for new holding ponds **$120,000** ($1,295,049)	25 (yes, is specifically listed)	20 (yes, but implied)	14 (RS funds are 10% of project costs; other funds coming from grants and loans; not yet committed)	15 (application to Business Oregon expected this week)	15	89
Chiloquin wastewater East Side lift stations **$50,000** ($75,000)	22 (yes, wastewater is listed but not specifically Chiloquin)	20 (yes, but implied no new businesses currently allowed)	12 RS funds are 2/3 or project costs	20 Other funds in hand	15	89
Lake County Rail Bridge upgrades **$205,000** ($287,700)	20 (Yes, rail is support priority)	25 (yes, 131 jobs retained)	9 RS funds 71% of funding	20 Other funds in hand	15	89
Malin water system **$35,000** ($45,000)	25 (yes, listed)	20 (yes, implied)	7 RS funds 77% Of funding	20 Other funds in hand	15	87

KCC LED upgrades **$60,297** ($75,269)	10 no	0 Not clear	6 RS funds are 80% of project funding	20	10 (no community support letters)	46

Regional Solutions Project Information

Applicant

Lake County
Name

93-6002302
Federal Tax ID Number

513 Center Street, Lakeview, Oregon
Street Address

513 Center Street, Lakeview OR 97630
Mailing Address

Organization Type:

☐ City ☒ County ☐ Special District under ORS _____ ☐ Other District ORS _____ ☐ Tribe

David Berman
Contact Name
(Person we should contact with project questions)

Facilities and Properties Manager
Title

541-947-6071
Phone Number

541-947-5775
Fax Number

dberman@co.lake.or.us
Email Address

Project Information

Lake County Railroad Bridge Repair
Project Name: (e.g., Stayton Water System Improvements)

Opportunity/Problem

Briefly describe the opportunity or problem facing the applicant:

A recent annual inspection of our Lake County Railroad bridges identified several bridges as being in a priority stage 2 state of disrepair. According to Federal Railway Administration regulations we have one year to make repairs to those bridges, while completing weekly inspections, or they can suspend operations on the rail line. If the rail line ceases operations, jobs will be affected at 2 of Lakeview's largest private employers, specifically, Collins Companies Sawmill (75 jobs), and Cornerstone (25), possibly Red Rock (25) as well as Lake Railway (6). In addition to those primary jobs, secondary jobs bringing materials to these manufacturers could also be impacted.

Response to Opportunity/Problem

Briefly describe the major alternatives considered to address this opportunity or problem:

To maintain rail operations in Lake County there are no alternative solutions other than repairing and maintaining the bridges. The only alternatives to consider is type of structure used for the train to cross waterways or wetlands, or to completely reroute the rail line, which is an extremely expensive alternative.

Detailed Project Description

Clearly describe the proposed project work to be accomplished:

According to grant funding received Lake County will repair the highest priority bridges first.
Lake County will enter into a contract to complete repairs as specified in the inspection report to the 17 priority stage 2 bridges. Most bridges on the line are of timber construction, consequently the timber pilings, walkways, handrails, and deck ties have decayed over time. As the support structures have decayed the bridge and track begins to move vertically which has led to other damage on the line. To summarize the 225 page Bridge Inspection Report, piling defects will be repaired by posting or framing, deck ties will be replaced, stringer chords will be dismantled and replaced with each chord bolted tightly together with chord bolts, caps will be replaced, walkway and handrails will be replaced or removed, approaches will be raised and gaps will be removed between pile tops and caps, to specific and individual bridges.

Project Work Plan

List project activity milestones with estimated start and completion dates. Identify estimated date of first cash draw:

Activity	Estimated Date	
	Start	Completion
Execute Contract with Construction Company for Bridge Repair	06/01/2017	06/15/2017
Bridge Repair and Maintenance Work	07/01/2017	6/01/2018
County and FRA Inspection of Repairs	06/15/2018	8/15/2018

Estimated First Draw Date: 08/10/2017

Proposed Project Budget
List individual project budget line items with requested budgeted amounts by IFA and non-IFA funding sources. Change budget column labels to identify the specific requested IFA funding sources. Non-IFA sources are those funds other than those requested from IFA.

Budget Line Item (Adjust budget items to suit the project) *Below are general items most used*	IFA RST Funds	Non-IFA Leveraged/Matching Funds Funds	Total
Engineering/Architecture	$0	$0	$0
Construction	$205,000	$69,000	$274,000
Construction Contingency		$13,700	$13,700
Land Acquisition			0
Legal			0
Construction Management			0
Other (Specify)			0
Other (Specify)			0
Other (Specify)			0
Other (Specify)			0
Totals	$205,000	$82,700	$287,700

Details of Non-IFA Funds

Source of Non-IFA Funds	Amount	Status: C-Committed, A-Application S-Submitted, AI-Application Invited, PS-Potential Source	Dates Required Funds will be Committed and Available
Lake County	$82,700	C	07/01/2017
Totals	$82,700		

If "Non-IFA funds" include USDA Rural Development funding that will require interim financing, please indicate the source of the interim financing.

A. Who prepared the cost estimates for the project?

Name: **Bob Hirte**

Title: **RR Division Manager**

Company: **Hamilton Construction**

Phone Number: **541-746-2426**

Date of project cost estimate: **2/24/2017**

B. Please list the permits and regulatory authorizations needed for the project to be ready to proceed with construction, and indicate whether they have been obtained or not.

Permit Type	Review Agency	Status of Approval	If pending, anticipated approval date
N/A		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	

C. What is the physical location of the project?

Lake County, Oregon

D. Will the applicant own the facilities / improvements once constructed? ☒ Yes ☐ No

If no, explain:

E. Will the applicant operate and maintain the facility / improvements once constructed? ☒ Yes ☐ No

If no, describe:

F. Does the project include any acquisition of real property, including permanent easements and rights-of-way, which are directly related to or necessary for the project? ☐ Yes ☒ No

If yes, describe:

Regional Solutions Project Information

Applicant

City of Malin
Name

93-6002203
Federal Tax ID Number

2432 4th St Malin, OR 97632
Street Address

PO Box 61 Malin, OR 97632
Mailing Address

Organization Type:

☒ City ☐ County ☐ Special District under ORS _____ ☐ Other District ORS _____ ☐ Tribe

Rob Grounds
Contact Name
(Person we should contact with project questions)

Public Works Director
Title

541-723-2021
Phone Number

541-723-2011
Fax Number

cityofmalin@yahoo.com
Email Address

Project Information

Malin Water System Telemetry Improvements
Project Name: (e.g., Stayton Water System Improvements)

Opportunity/Problem

Briefly describe the opportunity or problem facing the applicant:

Malin's Water System Telemetry System is currently around 70 years old and is in dire need of repair. Parts are not easily found and the system is not reliable.

Response to Opportunity/Problem

Briefly describe the major alternatives considered to address this opportunity or problem:

Telemetry needs to be replaced with modern Equipment.

Detailed Project Description

Clearly describe the proposed project work to be accomplished:

New control system for turning on and off the city wells to maintain the water levels in the storage tank.

Project Work Plan

List project activity milestones with estimated start and completion dates. Identify estimated date of first cash draw:

Activity	Estimated Date	
	Start	Completion
Install Telemetry	7-1-17	12-31-17

Estimated First Draw Date:

September 15, 2017

Proposed Project Budget
List individual project budget line items with requested budgeted amounts by IFA and non-IFA funding sources. Change budget column labels to identify the specific requested IFA funding sources. Non-IFA sources are those funds other than those requested from IFA.

Budget Line Item (Adjust budget items to suit the project) *Below are general items most used*	IFA RST Funds	Non-IFA Leveraged/Matching Funds Funds	Total
Engineering/Architecture	$0	$0	$0
Construction	$ 35,000	$ 10,000	$ 45,000 0
Construction Contingency			0
Land Acquisition			0
Legal			0
Construction Management			0
Other (Specify)			0
Other (Specify)			0
Other (Specify)			0
Other (Specify)			0
Totals	$35,000 0	$10,000 0	$45,000 0

Details of Non-IFA Funds

Source of Non-IFA Funds	Amount	Status: C-Committed, A-Application S-Submitted, AI-Application Invited, PS-Potential Source	Dates Required Funds will be Committed and Available
City of Marin	$0		
Water funds	$10,000	C	7-1-17
Totals	$10,000 0		

If "Non-IFA funds" include USDA Rural Development funding that will require interim financing, please indicate the source of the interim financing.

A. Who prepared the cost estimates for the project?

Name: Mario Lento
Title: Engineer / Director of Business Development
Company: X10 Water Systems, Inc.
Phone Number: 707-330-4772

Date of project cost estimate:

B. Please list the permits and regulatory authorizations needed for the project to be ready to proceed with construction, and indicate whether they have been obtained or not.

Permit Type	Review Agency	Status of Approval	If pending, anticipated approval date
N/A		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	

C. What is the physical location of the project?

2430 5th St

D. Will the applicant own the facilities / improvements once constructed? ☒ Yes ☐ No

If no, explain:

E. Will the applicant operate and maintain the facility / improvements once constructed? ☒ Yes ☐ No

If no, describe:

F. Does the project include any acquisition of real property, including permanent easements and rights-of-way, which are directly related to or necessary for the project? ☐ Yes ☒ No

If yes, describe:

Regional Solutions Project Information

Applicant

Town of Bonanza	93-0599329
Name	Federal Tax ID Number
2900 4th Ave, Bonanza, OR 97623	PO Box 297, Bonanza, OR 97623
Street Address	Mailing Address

Organization Type:

X City/Town ☐ County ☐ Special District under ORS _____ ☐ Other District ORS _____ ☐ Tribe

Cheri Stewart	Treasurer
Contact Name (Person we should contact with project questions)	Title

541-281-9805	732-453-7252	tobtreasurer@gmail.com
Phone Number	Fax Number	Email Address

Project Information

Town of Bonanza Wastewater Storage & Recycled Wastewater Disposal Expansion

Project Name: (e.g., Stayton Water System Improvements)

Opportunity/Problem

Briefly describe the opportunity or problem facing the applicant:

The town has operated a public wastewater collection, treatment, and disposal system since 1978. The system services approximately 450 residents, a school, 2 restaurants, 11 commercial buildings, 1 dump site, 6 RV spaces, 6 non-profits, 1 laundromat, and 5 churches. The town collects and treats municipal wastewater for approximately 450 residents and 204 sewer accounts. The town uses a combination of facultative ponds and land application practices for discharging Class "D" treated effluent. Wastewater is currently being stored in a two cell lagoon having a total capacity of 6.4 million gallons and land applying their effluent to approximately 5.4 acres of alfalfa/hay crops. Based on the engineering evaluation report completed by Mark Miller and Associates in January 2017, the existing lagoons are undersized by approximately 2.7 million gallons to meet the 20-year future projected flow rates for the system. Currently, The Department of Environmental Quality (DEQ) has issued a Mutual Agreement and Order(MAO) to the town and the town is working to comply with the MAO.

Response to Opportunity/Problem

Briefly describe the major alternatives considered to address this opportunity or problem:

A new recycled wastewater storage pond and wastewater disposal expansion through land application will need to be designed and constructed to accommodate the deficiency of the existing storage capacity of the two cell lagoon. Without this expansion, the town will eventually accrue regulatory and financial penalties from DEQ and even worse, cause future problems and severe liabilities for the town including run off problems, saturation, failure of lagoon dikes, and groundwater contamination. The new storage pond & disposal project will insure the town can accommodate it existing requirements and any future growth without breaching health and safety regulations. The town has looked at numerous disposal alternatives over the years in hopes of finding an economical solution to satisfy their wastewater disposal needs while meeting ODEQ requirements. Discharge alternatives for this system that are strictly prohibited by ODEQ include subsurface disposal and direct discharge to Lost River. Neither of these alternatives were further considered, which primarily left the following two options for evaluation:

1. Discharge to Horsefly Irrigation District (HID) for downstream irrigation use; or,
2. Continue land application by irrigation as currently being done.

Discharging recycled wastewater to the HID irrigation ditch was highly discouraged by ODEQ because of the possibility of the wastewater draining back into Lost River and other concerns related to low water years when there might not be any irrigation water in the ditch and downstream water rights.

Adding storage and expanding land application disposal is the best option of the town because of the following:

1.The town has an existing lagoon system that operates well and the new storage ponds can easily be added alongside the existing lagoon.
2. The town already has the required personnel to operate and maintain the existing treatment and collection system.
3. Land application works well in the area and is the cheapest alternative to dispose of effluent in areas with nearby agriculture uses.
4. The town has already obtained a signed purchase agreement with a local land owner to purchase the required acres needed.

Detailed Project Description

Clearly describe the proposed project work to be accomplished:

The following project will include an engineered design and construction plan for the new lagoon/storage pond, chlorination storage buildings, effluent pump building & pump, irrigation diversion, and recycled water use plan. This project will also include the purchase of the required land for expansion, bidding, geotechnical studies, permits, environmental and legal services. The two existing ponds that now receive the sewage from the Town of Bonanza will remain in place as currently constructed. Sewage inflow will go into the primary pond (cell 1) and then be directed to the secondary pond (cell 2), then to a chlorine contact chamber, and finally pumped into the new storage pond. The storage pond will store the treated effluent until land application is possible. The new wastewater storage pond will be constructed to the east of the two primary ponds and provide an additional 2.68 million gallons of storage. Dikes will be built up from the excavated material out of the pond bottom and supplemented as needed with materials having similar soil properties. The entire pond will be lined with not less than a 60 mil HDPE liner which will prevent infiltration to ground water. A new irrigation diversion will be constructed on the storage facility. This will be a simple structure consisting of a concrete pad and a centrifugal pump conveying the recycled wastewater directly to the sprinkler system. The pump will be on a timer so the operator can set the sprinkler applications for the duration that is required and the pump will shut off at the end of that time allowing the sprinklers to be drained for movement. To supplement the recycled wastewater supply, a secondary pump and related appurtenances will also be constructed on Lost River in order to maintain the crop during low water conditions and yield a productive commercial crop for harvest.

Project Work Plan

List project activity milestones with estimated start and completion dates. Identify estimated date of first cash draw:

Activity	Estimated Date	
	Start	Completion
Funding Contract Agreement	June 2017	July 2017
Finalize purchase of land required for expansion	July 2017	October 2017
Procure Engineer for Design & Construction	August 2017	Sept 2017
Prepare, finalize & submit any environmental documents	Sept 2017	Nov 2017
Complete Geotechnical studies	Sept 2017	Nov 2017
Design & Construction Process	October 2017	Dec 2017
Agency Review & Approvals	Jan 2018	Feb 2018
Project bidding & award & permits	Feb 2018	March 2018
Project Construction	April 2018	August 2018

Estimated First Draw Date: October 2017

Proposed Project Budget
List individual project budget line items with requested budgeted amounts by IFA and non-IFA funding sources. Change budget column labels to identify the specific requested IFA funding sources. Non-IFA sources are those funds other than those requested from IFA.

Budget Line Item (Adjust budget items to suit the project) *Below are general items most used*	IFA RST Funds	Non-IFA Leveraged/Matching Funds Funds	Total
Land Acquisition	**96,000**	**0**	**96,000**
Land Acquisition costs (escrow, recording, etc)	**1,000**	**1,000**	**2,000**
Preliminary Engineering /Architecture	**8,000**	**5,000**	**13,000**
Legal Services	**5,000**	**15,000**	**20,000**
Permitting	**3,000**	**2,000**	**5,000**
Project Management	**3,000**	**17,000**	**20,000**
Geotechnical Studies	**2,000**	**3,000**	**5,000**
Design & Construction Engineering	**0**	**122,773**	**122,773**
Environmental	**2,000**	**13,000**	**15,000**
Project Construction	**0**	**808,175**	**808,175**
Project Contingency	**0**	**96,981**	**96,981**
BOLI Fee	**0**	**905**	**905**
Recycled Water Use Plan	**0**	**15,000**	**15,000**
Estimated Inflation	**0**	**75,215**	**75,215**
TOTAL PROJECT COST	**120,000**	**1,175,049**	**1,295,049**

Details of Non-IFA Funds

Source of Non-IFA Funds	Amount	Status: C-Committed, A-Application S-Submitted, AI-Application Invited, PS-Potential Source	Dates Required Funds will be Committed and Available
Budgeted Funds	**170,000**	**C**	**Now**
Other Grants	**538,525**	**AI**	**May 2017**
Loans	**466,524**	**AI**	**May 2017**
Totals	**1,175,049**		

If "Non-IFA funds" include USDA Rural Development funding that will require interim financing, please indicate the source of the interim financing. N/A

A. Who prepared the cost estimates for the project?

Name: Mark Miller

Title: Engineer

Company: Mark Miller and Associates

Phone Number: 541-281-2128

Date of project cost estimate: January 2017

B. Please list the permits and regulatory authorizations needed for the project to be ready to proceed with construction, and indicate whether they have been obtained or not.

Permit Type	Review Agency	Status of Approval	If pending, anticipated approval date
County Permits	**Klamath County**	☐ Obtained ☐ Pending	**Waiting Financing**
Recycled Water Use Plan	**ODEQ**	☐ Obtained ☐ Pending	**Waiting Financing**
		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	

C. What is the physical location of the project?

Section 9, Township 39 South, Range 11 East, Tax Lot #1000

D. Will the applicant own the facilities / improvements once constructed? X Yes ☐ No

If no, explain:

E. Will the applicant operate and maintain the facility / improvements once constructed? X Yes ☐ No

If no, describe:

F. Does the project include any acquisition of real property, including permanent easements and rights-of-way, which are directly related to or necessary for the project? X Yes ☐ No

If yes, describe: **Based on the engineer's evaluation report, the town will need 11 acres for the expansion project. The town has entered into contract with a local land owner for the property. The town would like to close escrow on the property quickly to insure we meet the expiration of the contract: December 2017.**

Regional Solutions Project Information

Applicant

City of Chiloquin
Name

93-6002137
Federal Tax ID Number

122 South Second Ave Chiloquin, Oregon 97624
Street Address

PO Box 196 Chiloquin, Oregon 97624
Mailing Address

Organization Type:

☒ City ☐ County ☐ Special District under ORS _____ ☐ Other District ORS _____ ☐ Tribe

Teresa Foreman
Contact Name
(Person we should contact with project questions)

City Clerk
Title

541-783-2717
Phone Number

541-783-2035
Fax Number

Chiloquin@centurylink.net
Email Address

Project Information

Eastside Lift Station Improvements
Project Name: (e.g., Stayton Water System Improvements)

Opportunity/Problem

Briefly describe the opportunity or problem facing the applicant:

The Eastside lift station was installed prior to the 1950s and has far exceeded its expected design life. This lift station plays an integral role in the treatment process by taking the drained liquid from beneath each of the WWTF's drying beds and pumping it into the inlet pipe where it undergoes the treatment process once again. On Feb 15, 2007, DEQ issued the City of Chiloquin a MAO to provide a schedule to systematically upgrade the outdated and deteriorating wastewater treatment system.

Response to Opportunity/Problem

Briefly describe the major alternatives considered to address this opportunity or problem:

Installing new electrical controls with telemetry at the Eastside Lift Station, associated telemetry integration and controls at the wastewater treatment plant and a new radio at the Westside Lift Station.

Detailed Project Description

Clearly describe the proposed project work to be accomplished:

Electrical systems and associated telemetry integration. New electrical controls with telemetry for the Eastside Lift station, telemetry integration improvements at the wastewater treatment plant and a radio upgrade at the Westside Lift station, engineering, bidding assistance, and construction administration.

Project Work Plan

List project activity milestones with estimated start and completion dates. Identify estimated date of first cash draw:

Activity	Estimated Date	
	Start	Completion
Engineering	8/1/2017	10/1/2017
Bidding	10/1/2017	11/1/2017
Construction	11/1/2017	12/31/2017

Estimated First Draw Date: 9/1/2017

Proposed Project Budget
List individual project budget line items with requested budgeted amounts by IFA and non-IFA funding sources. Change budget column labels to identify the specific requested IFA funding sources. Non-IFA sources are those funds other than those requested from IFA.

Budget Line Item (Adjust budget items to suit the project) *Below are general items most used*	IFA RST Funds	Non-IFA Leveraged/Matching Funds Funds	Total
Engineering	**0**	**$8,000**	**$8,000**
Construction	**$50,000**	**$10,000**	**$60,000**
Construction Management/Bidding Assistance		**$7,000**	**$7,000**
Totals	**$50,000**	**$25,000**	**$75,000**

Details of Non-IFA Funds

Source of Non-IFA Funds	Amount	Status: C-Committed, A-Application S-Submitted, AI-Application Invited, PS-Potential Source	Dates Required Funds will be Committed and Available
City of Chiloquin	**$25,000**	**C**	**4/10/2017**
Totals	**$25,000**		

If "Non-IFA funds" include USDA Rural Development funding that will require interim financing, please indicate the source of the interim financing.

A. Who prepared the cost estimates for the project?

Name: **Daniel Scalas, P.E.**

Title: **Project Manager**

Company: **Adkins Consulting Engineering, LLP**

Phone Number: **541-884-4666**

Date of project cost estimate: **12/30/2016**

B. Please list the permits and regulatory authorizations needed for the project to be ready to proceed with construction, and indicate whether they have been obtained or not.

Permit Type	Review Agency	Status of Approval	If pending, anticipated approval date
N/A		☐ Obtained ☐ Pending	

C. What is the physical location of the project?

Chiloquin, Oregon

D. Will the applicant own the facilities / improvements once constructed? ☒ Yes ☐ No

If no, explain:

E. Will the applicant operate and maintain the facility / improvements once constructed? ☒ Yes ☐ No

If no, describe:

F. Does the project include any acquisition of real property, including permanent easements and rights-of-way, which are directly related to or necessary for the project? ☐ Yes ☒ No

If yes, describe:

Regional Solutions Project Information

Applicant

Klamath Community College	93-1211933
Name	Federal Tax ID Number
7390 South 6th St Klamath Falls, OR 97603	7390 South 6th St. Klamath Falls, OR 97603
Street Address	Mailing Address

Organization Type:

☐ City ☐ County X Special District under ORS _____ ☐ Other District ORS _____ ☐ Tribe

Paula Pence	Director of Resource Development
Contact Name (Person we should contact with project questions)	Title

541-880-2236	541-885-7758	pence@klamathcc.edu
Phone Number	Fax Number	Email Address

Project Information

Campus LED Conversion Project

Project Name: (e.g., Stayton Water System Improvements)

Opportunity/Problem

Briefly describe the opportunity or problem facing the applicant:

Klamath Community College is planning an energy efficiency upgrade to our facilities through a LED conversion investment. Commercial and industrial lighting represents a significant portion of energy consumption. Advancements in lighting technologies allow for increased light levels while reducing energy consumption. These next generation technologies often double light levels while cutting energy bills in half. Better lighting results in better facility safety, operational performance and employee morale.

Since the submission of our Letter of Interest, KCC has received an updated proposal for its LED light conversion project. As of April 10, 2017, the total project cost estimate is $75,269 (reduced from $109,367), and the anticipated incentive payment from the *Energy Trust of Oregon* is $14,972 (reduced from $47,712). As a result, the Regional Solution funding needed to complete our project is $60,297 (reduced from $61,655). A copy of the proposal is attached.

Response to Opportunity/Problem

Briefly describe the major alternatives considered to address this opportunity or problem:

Due to current construction projects KCC's building reserve fund is depleted. Without funding from Regional Solutions, KCC will not be able to convert lighting in the near future. The cost of waiting to complete this project will potentially result in a significant drop in Energy Trust of Oregon incentives. Additionally, the College loses savings of $2,459 each month, $29,508 each year, and $147,540 over the next five years without the LED conversion.

Detailed Project Description

Clearly describe the proposed project work to be accomplished:

KCC will convert all existing interior lighting with LED replacements in four campus buildings that were constructed before LED technology was widely available. The upgrade will result in an annual energy saving of 239,484 kwh. KCC's Facilities and Maintenance Department will provide the labor for this project. A detailed list of activities to be performed is listed in the Work Plan below.

Project Work Plan

List project activity milestones with estimated start and completion dates. Identify estimated date of first cash draw:

Activity	Estimated Date	
	Start	Completion
Purchase lighting conversion material	6/19/17	6/23/17
Building 1 and 2 (classrooms)	6/26/17	06/30/17
Building 3 and 4 (Learning Resource Center/Business Office)	7/3/17	07/14/17
Building 5 and 6 (Career Technical Education)	7/17/17	07/31/17
Building 7 and 8 (Bookstore and Work Skills Technology Center)	8/1/17	09/15/17

Total number of fixtures to be replaced: 3,833

Estimated First Draw Date: July 14, 2017

Proposed Project Budget
List individual project budget line items with requested budgeted amounts by Infrastructure Finance Authority (IFA) and non-IFA funding sources. Change budget column labels to identify the specific requested IFA funding sources. Non-IFA sources are those funds other than those requested from IFA.

Budget Line Item (Adjust budget items to suit the project) *Below are general items most used*	IFA RST Funds	Non-IFA Leveraged/Matching Funds Funds	Total
Engineering/Architecture	**$0**	**$0**	**$0**
Construction			**0**
Construction Contingency			**0**
Land Acquisition			**0**
Legal			**0**
Construction Management			**0**
Other: Campus LED Conversion Materials	**$60,297**	**$14,972**	**$75,269**
Other (Specify)			**0**
Other (Specify)			**0**
Totals	**$60,297**	**$14,972**	**$75,269**

Details of Non-IFA Funds

Source of Non-IFA Funds	Amount	Status: C-Committed, A-Application S-Submitted, AI-Application Invited, PS-Potential Source	Dates Required Funds will be Committed and Available
The Energy Trust of Oregon	**$14,972**	**C**	**Reimbursement**
Totals	**$14,972**		

If "Non-IFA funds" include USDA Rural Development funding that will require interim financing, please indicate the source of the interim financing. N/A

A. Who prepared the cost estimates for the project?

Name: **John George** Title: **Owner** Company: **Everything LED**

Phone Number: **541-292-4364**

Date of project cost estimate: **April 10, 2017**

B. Please list the permits and regulatory authorizations needed for the project to be ready to proceed with construction, and indicate whether they have been obtained or not. **N/A**

Permit Type	Review Agency	Status of Approval	If pending, anticipated approval date
		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	
		☐ Obtained ☐ Pending	

C. What is the physical location of the project?

7390 South 6th St. Klamath Community College campus; Klamath Falls, OR 97603

D. Will the applicant own the facilities / improvements once constructed? X Yes ☐ No

If no, explain:

E. Will the applicant operate and maintain the facility / improvements once constructed? X Yes ☐ No

If no, describe:

F. Does the project include any acquisition of real property, including permanent easements and rights-of-way, which are directly related to or necessary for the project? ☐ Yes X No

If yes, describe:

BUDGET NARRATIVE

The total cost for Campus LED Conversion Project is projected to be $75,269.

KCC anticipates an incentive payment of $14,670 from the *Energy Trust of Oregon.* An award of $60,297 from Regional Solutions will cover product/material costs. KCC will absorb labor costs for installation to be performed by KCC's Facilities and Maintenance staff.

Klamath College

Proposal

Prepared For

Klamath College
Michael Homefeldt

Prepared By

Everything LED
John George
Oregon
jgeverythingled@gmail.com
(541) 292-4364

Prepared on April 10, 2017 at 4:10 pm

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Company

Everything LED represents leading manufacturers of energy management and conservation products for the commercial and industrial markets.

Our primary focus is lighting. Commercial and industrial lighting represents a significant portion of energy consumption. It generally represents the largest single category of consumption on a business's energy bill. Advancements in lighting technologies allow for increased light levels while reducing energy consumption. These next generation technologies often double light levels while cutting energy bills in half. Moreover, better lighting results in better facility safety, operational performance and employee morale.

Everything LED is one of the leading providers of LED lighting products in the industry. We provide consultation, products and work with energy companies providers to insure that you will receive the highest incentive possible. We also provide financing at competitive rates. Let us show you how we can put your project together without any outlay of cash.

To see how we can help to significantly reduce your energy use, contact us to arrange an energy audit of your facility.

Visit our website at www.everythingledlight.com

Investment

Net Savings	Simple Payback	Simple ROI
$ 630,045	**2.04 years**	**48.9%**

Savings

Total Project Savings

$ 690,342

Annual Cost Savings

$ 29,503

Annual Energy Savings

239,484 kWh

Costs

Total Project Cost

$ 75,269

- Incentives

$ 14,972

Net Project Cost

$ 60,297

Annual Operating Costs

Annual Savings

Existing Costs

$ 45,907

- Proposed Costs

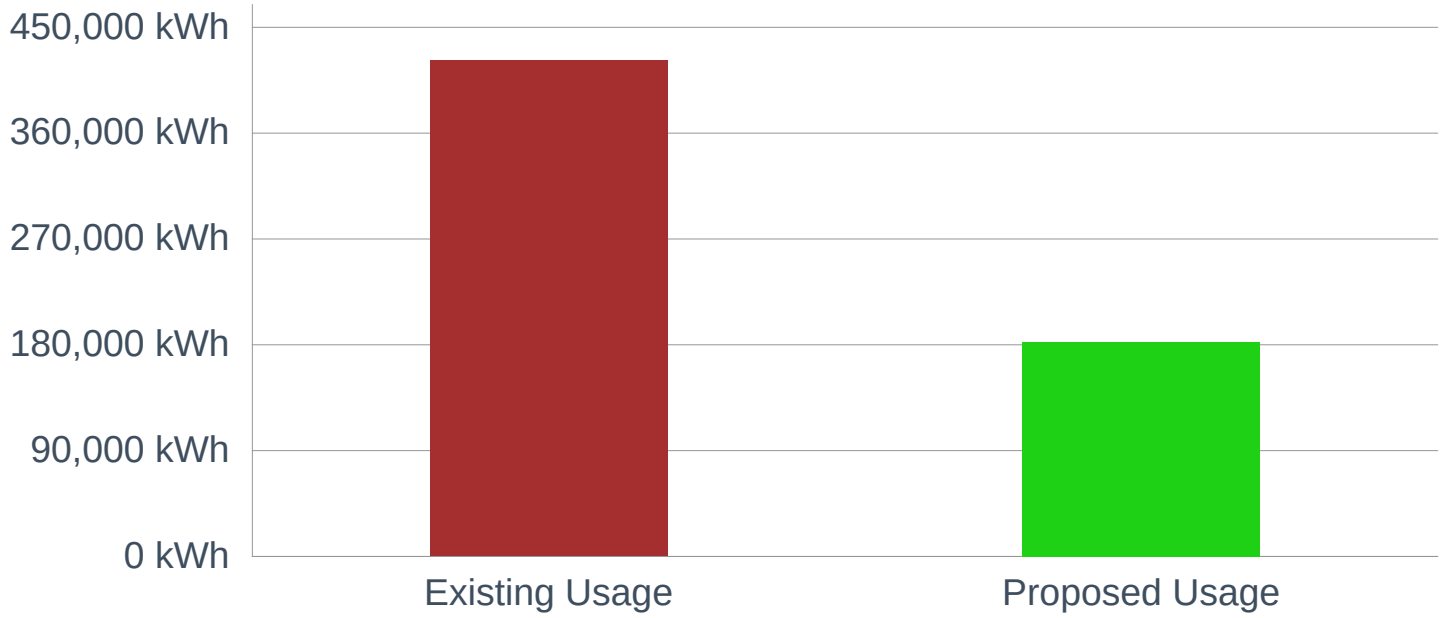
$ 16,404

Annual Savings

$ 29,503

Annual Operating Costs	Existing	Proposed	Savings	Reduction
Electrical	$ 37,958	$ 16,404	$ 21,554	57%
Maintenance	$ 7,949	$ 0	$ 7,949	100%
Annual Total	**$ 45,907**	**$ 16,404**	**$ 29,503**	**64%**

Annual Energy Consumption



Energy Savings

Existing Energy Consumed

421,750 kWh

- Proposed Energy Consumed

182,267 kWh

Annual Energy Savings

239,484 kWh

Environmental Impact

This project will reduce carbon emissions by approximately 165.14 metric tons each year, which is equal to the greenhouse gases produced by the following:

Gas Consumed
18,582 gallons

Barbeque Propane
6,881 tanks

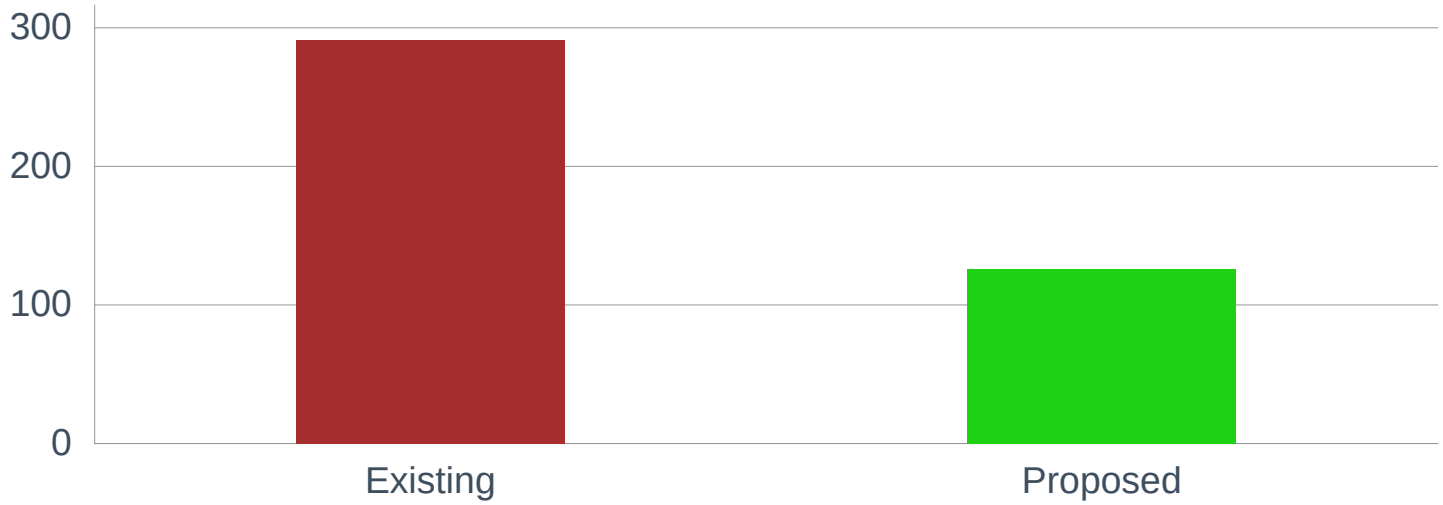
Coal Burned
177,375 pounds

Oil Consumed
384 barrels

Passenger Vehicle
393,182 miles

Waste Sent To Landfill
118,377 pounds

Annual Carbon Dioxide Emissions (Metric Tons)



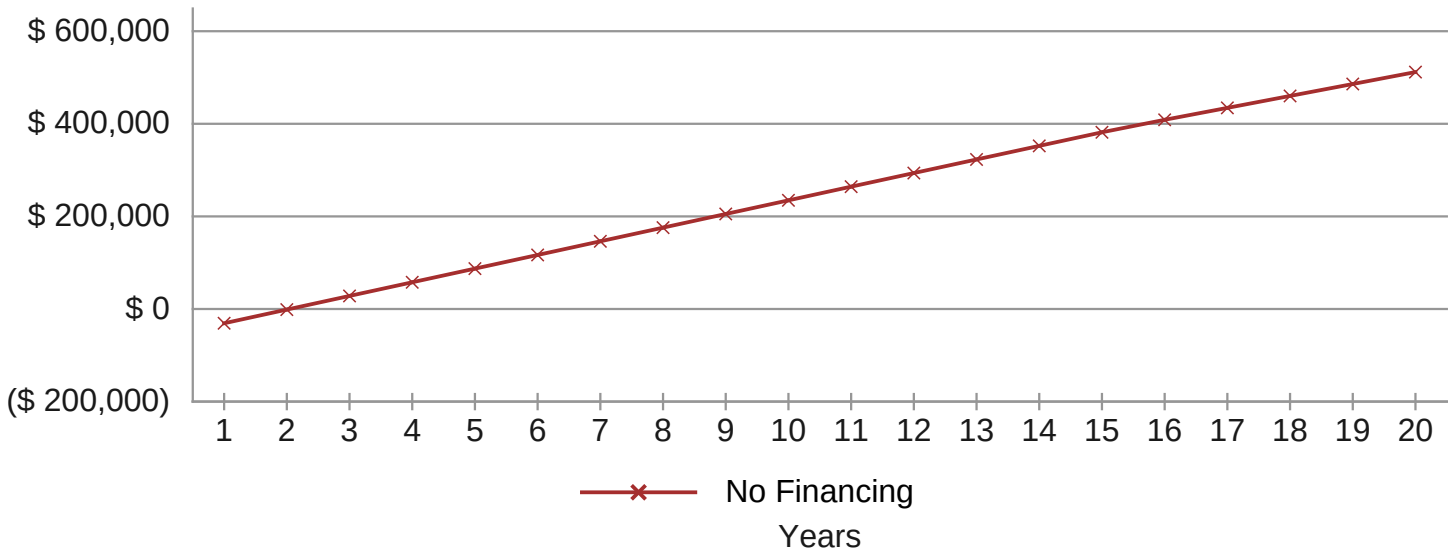
Project Costs Summary

Total Product Costs	$ 75,269
+ Installation & Labor Costs	$ 0
+ Shipping Costs	$ 0
+ Misc Costs	$ 0
Total Project Cost	**$ 75,269**

- Incentives	$ 14,972
Net Project Cost	**$ 60,297**

Klamath College

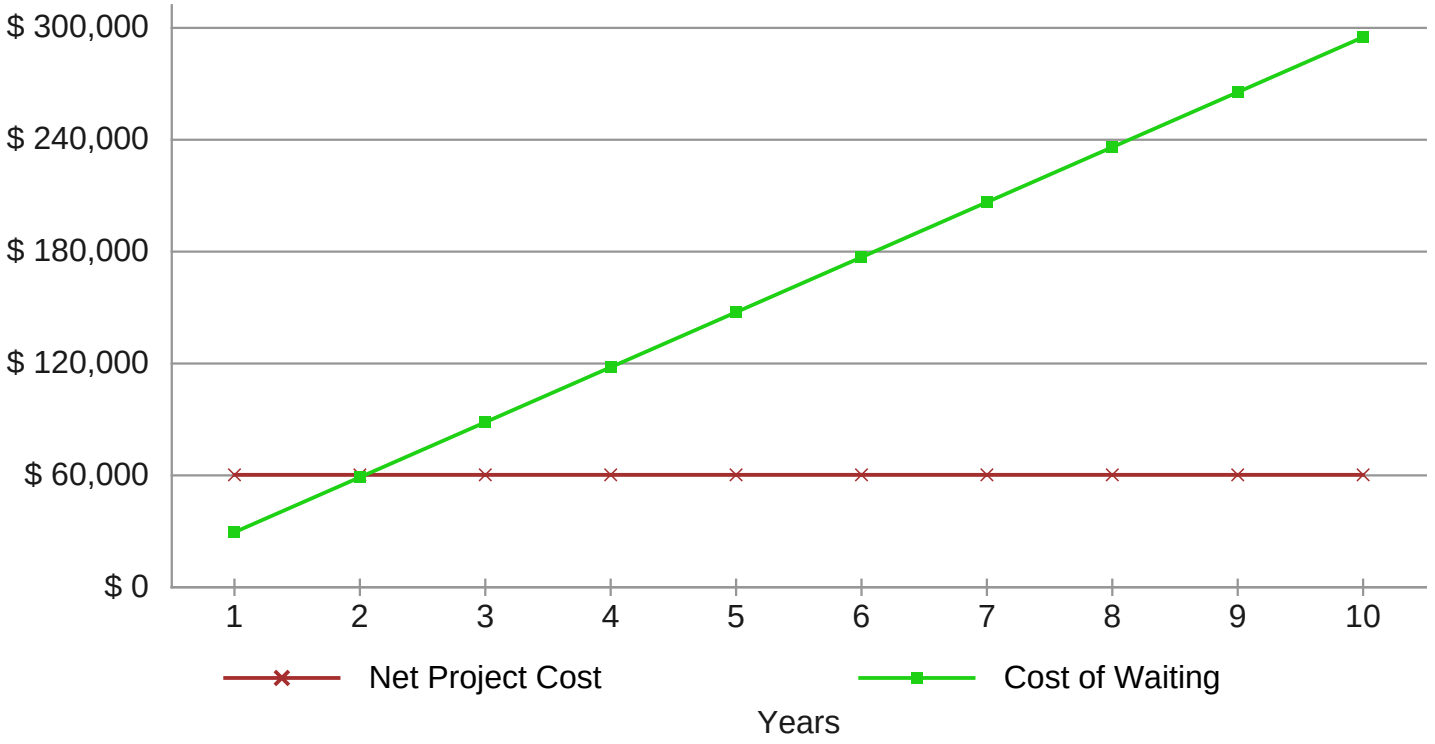
Cash Flow



Year	Payments	Savings	Rebates	Cash Flow	Cumulative Total
1	($ 75,269)	$ 29,503	$ 14,972	($ 30,794)	($ 30,794)
2	$ 0	$ 29,503	$ 0	$ 29,503	($ 1,292)
3	$ 0	$ 29,503	$ 0	$ 29,503	$ 28,211
4	$ 0	$ 29,503	$ 0	$ 29,503	$ 57,713
5	$ 0	$ 29,503	$ 0	$ 29,503	$ 87,216
6	$ 0	$ 29,503	$ 0	$ 29,503	$ 116,718
7	$ 0	$ 29,503	$ 0	$ 29,503	$ 146,221
8	$ 0	$ 29,503	$ 0	$ 29,503	$ 175,723
9	$ 0	$ 29,503	$ 0	$ 29,503	$ 205,226
10	$ 0	$ 29,503	$ 0	$ 29,503	$ 234,728
11	$ 0	$ 29,503	$ 0	$ 29,503	$ 264,231
12	$ 0	$ 29,408	$ 0	$ 29,408	$ 293,639
13	$ 0	$ 29,341	$ 0	$ 29,341	$ 322,981
14	$ 0	$ 29,341	$ 0	$ 29,341	$ 352,322
15	$ 0	$ 29,341	$ 0	$ 29,341	$ 381,663
16	$ 0	$ 26,965	$ 0	$ 26,965	$ 408,628
17	$ 0	$ 25,777	$ 0	$ 25,777	$ 434,406
18	$ 0	$ 25,777	$ 0	$ 25,777	$ 460,183
19	$ 0	$ 25,777	$ 0	$ 25,777	$ 485,960
20	$ 0	$ 25,777	$ 0	$ 25,777	$ 511,738
	($ 75,269)	**$ 572,035**	**$ 14,972**	**$ 511,738**	**$ 511,738**

Cost of Waiting

Each Month	Each Year	Five Years
$ 2,459	**$ 29,503**	**$ 147,513**



Proposed Solutions Summary

Inside

Savings/yr: $ 133

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
T/E 26 Watt	APL 6 Watt	15	15 yrs	$ 225	$ 150	$ 75	177.1%	0.56 yrs	$ 133

Inside

Savings/yr: $ 24,600

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
Fluorescent, (1) 48 T-8 lamp Instant Start Ballast NLO (BF: .85-.95)	ESL 4 Lamp Quick Connect	3,525	25 yrs	$ 70,500	$ 14,100	$ 56,400	43.6%	2.29 yrs	$ 24,600

Inside

Savings/yr: $ 1,178

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
T8 36 in	LED T8 3 ft	173	25 yrs	$ 2,595	$ 0	$ 2,595	45.4%	2.20 yrs	$ 1,178

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Inside

Savings/yr: $ 48

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
T/E42 Watt	APL 11 watt	16	15 yrs	$ 272	$ 160	$ 112	42.9%	2.33 yrs	$ 48

Interior Cans

Savings/yr: $ 161

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
Compact Fluorescent, quad, (1) 26W lamp, BF=0.95	Can	17	11 yrs	$ 510	$ 255	$ 255	63.3%	1.58 yrs	$ 161

Office

Savings/yr: $ 105

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
Office C	A 19	8	15 yrs	$ 120	$ 0	$ 120	87.2%	1.15 yrs	$ 105

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Office

Savings/yr: $ 313

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
Office	LED A 10	16	15 yrs	$ 192	$ 64	$ 128	244.6%	0.41 yrs	$ 313

Office B

Savings/yr: $ 191

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
Office B	Al LED 12V	10	15 yrs	$ 150	$ 40	$ 110	173.7%	0.58 yrs	$ 191

Office D

Savings/yr: $ 2,507

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
Compact Fluorescent, (1) 42W lamp	AL LED 11Watt	17	15 yrs	$ 255	$ 68	$ 187	125.8%	0.80 yrs	$ 235
Fluorescent, (2) 24 T-8 lamp Instant Start Ballast NLO (BF: .85-.95)	LED 2 FT	15	15 yrs	$ 225	$ 60	$ 165	1,377.1%	0.07 yrs	$ 2,272

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Office FP

Savings/yr: $ 37

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
FP-14-385	AL LED T5	6	15 yrs	$ 0	$ 0	$ 0	0.0%	0.00 yrs	$ 37
N/A	N/A	----	0 yrs	$ 0	$ 0	$ 0	0.0%	0.00 yrs	$ 0
N/A	N/A	----	0 yrs	$ 0	$ 0	$ 0	0.0%	0.00 yrs	$ 0
N/A	N/A	----	0 yrs	$ 0	$ 0	$ 0	0.0%	0.00 yrs	$ 0

Track

Savings/yr: $ 230

Existing	Proposed	Count	Life	Cost	Incentives	Net $	ROI	Payback	Save/yr
Track Lighting	Par 20	15	15 yrs	$ 225	$ 75	$ 150	153.0%	0.65 yrs	$ 230

Estimate

Klamath College

Prepared For	Prepared By	Date
Klamath College Michael Homefeldt	Everything LED John George Oregon jgeverythingled@gmail.com (541) 292-4364	04/10/17

Product #	Description	Quantity	Unit Price	Total
APL 6 Watt		15	$ 15.00	$ 225.00
ESL 4 Lamp Quick Connect		3525	$ 20.00	$ 70,500.00
LED T8 3 ft		173	$ 15.00	$ 2,595.00
APL 11 watt		16	$ 17.00	$ 272.00
Can		17	$ 30.00	$ 510.00
A 19		8	$ 15.00	$ 120.00
LED A 10		16	$ 12.00	$ 192.00
Al LED 12V		10	$ 15.00	$ 150.00
AL LED 11Watt		17	$ 15.00	$ 255.00
LED 2 FT		15	$ 15.00	$ 225.00
AL LED T5		6	$ 0.00	$ 0.00
Par 20		15	$ 15.00	$ 225.00

Estimate

Klamath College

Products Subtotal	$ 75,269.00
Installation Costs	$ 0.00
Shipping Costs	$ 0.00
Misc. Costs	$ 0.00
Pay This Amount	**$ 75,269.00**
- Incentives	($ 14,972.00)
Net Cost	**$ 60,297.00**

Authorized Signature for Everything LED Date

Authorized Signature for Klamath College Date

South Central Regional Solutions Priorities
Updated April 2017

South Central Oregon Regional Solutions:

PURPOSE: Engage all resources in the community (public, private, and civic) to shape the region's future and accelerate and complete on the ground economic and community development projects.

ROLES:

1. **Regional Solutions Advisory Committee:**
    - **a.** Help coordinator and team identify high level priorities for the region.
    - **b.** Help connect resources from the community to expand collective capacity to solve problems and seize opportunities.
    - **c.** Review and recommend high priority projects for legislative funding.
2. **Regional Solutions Team Members:**
    - **a.** Work in collaboration with other state agencies, local, county and federal governments, as well as the private and civic sectors on priorities and projects.
    - **b.** Lead, track and report on projects that are related to their agency's mission.
    - **c.** Review priority project proposals for consideration by the Committee.
3. **Regional Coordinator:**
    - **a.** Serve as a catalyst for action
    - **b.** Staff the advisory committee
    - **c.** Bring government and other sectors together to undertake projects
    - **d.** Develop work plan for each priority including agency involvement, expected outcomes, targets and milestones.
    - **e.** Connect resources from the Oregon Solutions Network as needed.

<u>High Focus Priorities</u>

1) Infrastructure
    a. Water systems (Chiloquin, Malin, Merrill)
    b. Wastewater/Sewer (Bonanza, Crescent)
    c. Natural gas (Lakeview)
    d. Broadband
2) Availability and marketability of industrial land
3) Business retention, expansion and attraction
    a. Support entrepreneurship and small businesses
    b. Renewable energy and Energy efficiency
    c. Food processing/value added agriculture
    d. Remove air quality impediments to economic development
4) Regulatory alignment and technical assistance

High Focus Priorities: the committee, coordinator and team will actively engage in seeking solutions and projects that contribute to successful outcomes for the priority.

<u>Support Priorities</u>

1) Water Storage for agriculture

2) Transportation (rail, highways, airports, and local roads)
3) Workforce Training
4) Workforce Housing
5) Downtown Revitalizaton
6) Improve forest health and access federal timber resources

Support Priorities: the committee, coordinator and team will monitor, engage and support as needed and requested. The coordinator/team will continue working with communities opportunistically to address these priorities and to serve as a catalyst for their successful accomplishment.