

State of Alaska FY2005 Governor's Operating Budget

Department of Community & Economic Development Alaska Energy Authority Circuit Rider Component Budget Summary

Contents

<i>Component: Alaska Energy Authority Circuit Rider</i>	3
<i>End Results</i>	3
<i>Strategies to Achieve Results</i>	3
Component Financial Summary.....	6
Summary of Component Budget Changes.....	7

Component: Alaska Energy Authority Circuit Rider

Contribution to Department's Mission

The mission of the Alaska Energy Authority Circuit Rider component is to increase the reliability and efficiency of rural electric systems and to respond quickly and effectively to electrical emergencies.

Core Services

The Circuit Rider program offers preventive maintenance services, on-site operator training, and emergency response to rural electric utilities, specifically the smaller utilities that have difficulty acquiring and maintaining the necessary technical skills. AEA contracts with private sector firms to provide these services, supplementing with AEA field staff when necessary.

The contract personnel providing these services include qualified plant operators, electricians and linemen. They visit the participating communities on a quarterly or semi-annual basis, depending on the conditions of the electrical systems, local operator skills and utility management. Inspection, testing, and preventive maintenance is performed on diesel engines, generators, control panels, metering systems and other related components. The contractors are assisted by the local plant operators, who acquire training and skills in the process.

As described in our capital budget request for electrical emergency funds, circuit rider contractors are also dispatched to participating communities when power failures occur that the local utility is unable to resolve.

End Results	Strategies to Achieve Results
<p>(1) Increase the reliability of rural powerhouse systems</p> <p><u>Target:</u> Reduce the number of circuit rider visits to communities by 25%</p> <p><u>Measure:</u> % change in circuit rider calls</p> <p><u>Target:</u> Reduce the number of electrical emergencies in Rural Alaska by 25%</p> <p><u>Measure:</u> % change in the number of emergency repairs</p>	<p>(1) Improve Powerhouse training program</p> <p><u>Target:</u> 90% of persons enrolled in the powerhouse training program complete the program</p> <p><u>Measure:</u> Percent of enrollees that finish the class</p> <p><u>Target:</u> 85% of persons trained maintain employment at a rural powerhouse for at least 2 years</p> <p><u>Measure:</u> % of trainees that maintain rural powerhouse employment for two years or more</p> <p><u>Target:</u> 100% of circuit rider visits incorporate training</p> <p><u>Measure:</u> % of on-site training provided during circuit rider visits</p> <p><u>Target:</u> 90% of persons enrolled in the advanced powerhouse training program complete the program</p> <p><u>Measure:</u> Percentage of enrollees that finish the class.</p>

Major Activities to Advance Strategies

- On site operator training
- Provide preventative maintenance services
- Provide response to electrical emergencies
- Development of site-specific training curriculum

FY2005 Resources Allocated to Achieve Results

FY2005 Component Budget: \$200,700	Personnel:	
	Full time	0
	Part time	0
	Total	0

Performance Measure Detail

(1) Result: Increase the reliability of rural powerhouse systems

Target: Reduce the number of circuit rider visits to communities by 25%
Measure: % change in circuit rider calls

Percent Change in Circuit Rider Calls

Year				% Chg Calls	YTD Total
2004					

Analysis of results and challenges: More reliable systems will require less state maintenance support. We have reduced the number of visits, and also reduced the level for each circuit rider call. Measures the ongoing need of the circuit rider program

Target: Reduce the number of electrical emergencies in Rural Alaska by 25%
Measure: % change in the number of emergency repairs

Percentage Change in Number of Emergency Repairs

Year				% Chg Repair	YTD Total
2004				0	

Analysis of results and challenges: Measures the ongoing need of the circuit rider program

(1) Strategy: Improve Powerhouse training program

Target: 90% of persons enrolled in the powerhouse training program complete the program
Measure: Percent of enrollees that finish the class

Percent of Enrollees that Complete the Powerhouse Training Program

Year				% Complete	YTD Total
2003				68%	

Analysis of results and challenges: Improved training will allow greater local control and responsibility. In FY2003 68% (13 out of 19) completed the powerhouse training program and 85% (6 out of 7) completed the advanced powerhouse training program. Measures the effectiveness of the program

Target: 85% of persons trained maintain employment at a rural powerhouse for at least 2 years
Measure: % of trainees that maintain rural powerhouse employment for two years or more

Analysis of results and challenges: Measures the effectiveness of the program. This is a new measure and will be calculated starting in FY04.

Target: 100% of circuit rider visits incorporate training

Measure: % of on-site training provided during circuit rider visits

Analysis of results and challenges: We are training the local operator at each circuit rider visit. On-site training will allow greater local control and responsibility. This is a new measure and will be calculated starting in FY04.

Target: 90% of persons enrolled in the advanced powerhouse training program complete the program

Measure: Percentage of enrollees that finish the class.

Percentage of Enrollees that Complete the Advanced Powerhouse Training Program

Year				% Complete	YTD Total
2003				85%	85%

Analysis of results and challenges: Improved training will allow greater local control and responsibility. In FY2003 68% (13 out of 19) completed the powerhouse training program and 85% (6 out of 7) completed the advanced powerhouse training program. Measures the effectiveness of the program.

Key Component Challenges

The construction of substantial infrastructure projects in the villages (for example: water/sewer facilities and school upgrades and replacements) are over-taxing the older power systems which results in system overload, shorter equipment life and more frequent power outages. Reduced funding for the Circuit Rider Program over the past few years limits our ability to provide technical assistance, operator training and minor repairs to reduce power outages and significant equipment damage.

Significant Changes in Results to be Delivered in FY2005

No significant changes.

Major Component Accomplishments in 2003

None.

Statutory and Regulatory Authority

AS 42.45 Rural and Statewide Energy Programs

Contact Information

Contact: Ronald W. Miller, Executive Director
Phone: (907) 269-3000
Fax: (907) 269-3044
E-mail: rmiller@aidea.org

**Alaska Energy Authority Circuit Rider
Component Financial Summary**

All dollars shown in thousands

	FY2003 Actuals	FY2004 Authorized	FY2005 Governor
Non-Formula Program:			
Component Expenditures:			
71000 Personal Services	0.0	0.0	0.0
72000 Travel	0.0	0.0	0.0
73000 Contractual	0.0	0.0	200.7
74000 Supplies	0.0	0.0	0.0
75000 Equipment	0.0	0.0	0.0
76000 Land/Buildings	0.0	0.0	0.0
77000 Grants, Claims	0.0	0.0	0.0
78000 Miscellaneous	0.0	0.0	0.0
Expenditure Totals	0.0	0.0	200.7
Funding Sources:			
1002 Federal Receipts	0.0	0.0	100.0
1004 General Fund Receipts	0.0	0.0	100.7
Funding Totals	0.0	0.0	200.7

Estimated Revenue Collections

Description	Master Revenue Account	FY2003 Actuals	FY2004 Authorized	FY2005 Governor
Unrestricted Revenues				
Unrestricted Fund	68515	0.0	0.0	100.7
Unrestricted Total		0.0	0.0	100.7
Restricted Revenues				
Federal Receipts	51010	0.0	0.0	100.0
Restricted Total		0.0	0.0	100.0
Total Estimated Revenues		0.0	0.0	200.7

**Summary of Component Budget Changes
From FY2004 Authorized to FY2005 Governor**

All dollars shown in thousands

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
FY2004 Authorized	0.0	0.0	0.0	0.0
Adjustments which will continue current level of service:				
-Transfer Circuit Rider Component to New RDU Alaska Energy Authority (453)	100.7	100.0	0.0	200.7
FY2005 Governor	100.7	100.0	0.0	200.7