

State of Alaska FY2006 Governor's Operating Budget

Dept. of Commerce, Community, and Economic Dev. Alaska Energy Authority Circuit Rider Component Budget Summary

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.

Circuit Rider contractors also assess and retrofit small fuel tanks. These tanks include day tanks inside institutional and utility buildings such as schools, powerhouses, and water plants, as well as residential fuel storage tanks. The assessments consist of specific reports for each institutional and utility building and a written summary of tank conditions on a community-wide basis for the residential tanks. The retrofit work addresses fuel leaks, health and safety issues, and regulatory compliance.

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>A: Increase the reliability of rural powerhouse systems</p> <p><u>Target #1:</u> Reduce the number of circuit rider visits to communities by 25%</p> <p><u>Measure #1:</u> % change in circuit rider calls</p> <p><u>Target #2:</u> Reduce the number of electrical emergencies in Rural Alaska by 25%</p> <p><u>Measure #2:</u> % change in the number of emergency repairs</p>	<p>A1: Improve Powerhouse training program</p> <p><u>Target #1:</u> 90% of persons enrolled in the powerhouse training program complete the program</p> <p><u>Measure #1:</u> Percent of enrollees that finish the class</p> <p><u>Target #2:</u> 85% of persons trained maintain employment at a rural powerhouse for at least 2 years</p> <p><u>Measure #2:</u> % of trainees that maintain rural powerhouse employment for two years or more</p> <p><u>Target #3:</u> 100% of circuit rider visits incorporate training</p> <p><u>Measure #3:</u> % of on-site training provided during circuit rider visits</p> <p><u>Target #4:</u> 90% of persons enrolled in the advanced powerhouse training program complete the program</p> <p><u>Measure #4:</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

FY2006 Resources Allocated to Achieve Results

FY2006 Component Budget: \$200,700	Personnel:	
	Full time	0
	Part time	0
	Total	0

Performance Measure Detail

A: Result - Increase the reliability of rural powerhouse systems

Target #1: Reduce the number of circuit rider visits to communities by 25%

Measure #1: % change in circuit rider calls

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. AEA provided circuit rider services to 25 communities in 2004. Measures the ongoing need of the circuit rider program

Target #2: Reduce the number of electrical emergencies in Rural Alaska by 25%

Measure #2: % change in the number of emergency repairs

Analysis of results and challenges: Measures the ongoing need of the circuit rider program; AEA responded to emergencies in 8 communities in 2004.

A1: Strategy - Improve Powerhouse training program

Target #1: 90% of persons enrolled in the powerhouse training program complete the program

Measure #1: Percent of enrollees that finish the class

Percent of Enrollees that Complete the Powerhouse Training Program

Year	YTD
2003	68%
2004	95%

Target #2: 85% of persons trained maintain employment at a rural powerhouse for at least 2 years

Measure #2: % of trainees that maintain rural powerhouse employment for two years or more

Analysis of results and challenges: Measures the effectiveness of the program. All trained powerplant operators remain employed in their communities.

Target #3: 100% of circuit rider visits incorporate training

Measure #3: % of on-site training provided during circuit rider visits

Percentage of On-Site Training Provided During Circuit Rider Visits

Year				% Trained	YTD
------	--	--	--	-----------	-----

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.

Target #4: 90% of persons enrolled in the advanced powerhouse training program complete the program
Measure #4: Percentage of enrollees that finish the class.

Percentage of Enrollees that Complete the Advanced Powerhouse Training Program

Year	YTD
2003	85%
2004	55%

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 FY2006

No significant changes.

Major Component Accomplishments in 2004

AEA provided circuit rider services to 25 communities.

AEA responded to emergencies in 8 communities.

Statutory and Regulatory Authority

AS 42.45 Rural and Statewide Energy Programs

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

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

All dollars shown in thousands

	FY2004 Actuals	FY2005 Management Plan	FY2006 Governor
Non-Formula Program:			
Component Expenditures:			
71000 Personal Services	0.0	0.0	0.0
72000 Travel	0.0	0.0	0.0
73000 Services	0.0	200.7	200.7
74000 Commodities	0.0	0.0	0.0
75000 Capital Outlay	0.0	0.0	0.0
77000 Grants, Benefits	0.0	0.0	0.0
78000 Miscellaneous	0.0	0.0	0.0
Expenditure Totals	0.0	200.7	200.7
Funding Sources:			
1002 Federal Receipts	0.0	100.0	100.0
1004 General Fund Receipts	0.0	100.7	100.7
Funding Totals	0.0	200.7	200.7

Estimated Revenue Collections

Description	Master Revenue Account	FY2004 Actuals	FY2005 Management Plan	FY2006 Governor
Unrestricted Revenues				
None.		0.0	0.0	0.0
Unrestricted Total		0.0	0.0	0.0
Restricted Revenues				
Federal Receipts	51010	0.0	100.0	100.0
Restricted Total		0.0	100.0	100.0
Total Estimated Revenues		0.0	100.0	100.0

**Summary of Component Budget Changes
From FY2005 Management Plan to FY2006 Governor**

All dollars shown in thousands

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
FY2005 Management Plan	100.7	100.0	0.0	200.7
FY2006 Governor	100.7	100.0	0.0	200.7