

Fiscal Note

State of Alaska
2014 Legislative Session

Bill Version: SB 177
Fiscal Note Number: _____
() Publish Date: _____

Identifier: SB177-DCCED-AEA-02-21-14
Title: REGULATION OF TOWERS
Sponsor: OLSON
Requester: Senate Transportation

Department: Department of Commerce, Community and
Economic Development
Appropriation: Alaska Energy Authority
Allocation: Statewide Project Development, Alternative
Energy and Efficiency
OMB Component Number: 2888

Expenditures/Revenues

Note: Amounts do not include inflation unless otherwise noted below. (Thousands of Dollars)

	FY2015	Included in	Out-Year Cost Estimates				
	Appropriation Requested	Governor's FY2015 Request	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
OPERATING EXPENDITURES	FY 2015	FY 2015					
Personal Services							
Travel							
Services							
Commodities							
Capital Outlay							
Grants & Benefits							
Miscellaneous							
Total Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Fund Source (Operating Only)

None							
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Positions

Full-time							
Part-time							
Temporary							

Change in Revenues							
---------------------------	--	--	--	--	--	--	--

Estimated SUPPLEMENTAL (FY2014) cost: 0.0 *(separate supplemental appropriation required)*
(discuss reasons and fund source(s) in analysis section)

Estimated CAPITAL (FY2015) cost: 120.0 *(separate capital appropriation required)*
(discuss reasons and fund source(s) in analysis section)

ASSOCIATED REGULATIONS

Does the bill direct, or will the bill result in, regulation changes adopted by your agency? no
If yes, by what date are the regulations to be adopted, amended or repealed?

Why this fiscal note differs from previous version:

Not applicable, initial version.

Prepared By: Sara Fisher-Goad, Executive Director
Division: Alaska Energy Authority
Approved By: Jeanne Mungle, Director
Agency: Administrative Services

Phone: (907)771-3000
Date: 02/21/2014 05:00 PM
Date: 02/21/14

FISCAL NOTE ANALYSIS

STATE OF ALASKA
2014 LEGISLATIVE SESSION

BILL NO. SB177

Analysis

SB177 would require registration and marking of tower structures greater than 100 feet in height and provide for limitations on the construction of towers greater than 50 feet in height within one mile of a public use airport. In addition to markings, a seven-foot safety sleeve, anchor points, high visibility marker balls and lighting would be required to enhance the visibility of the towers. The bill provides for an immediate effective date.

The impacts to Alaska Energy Authority (AEA) owned energy infrastructure projects and to AEA's wind energy program use of meteorological towers to assess wind resources is described below.

Bradley Lake Hydro project: The project has 120 megawatts of installed capacity and transmits its power to the State's main power grid via two parallel 20-mile transmission lines. AEA confirmed that there are no transmission towers that exceed 100 feet in height. This project is not anticipated to be affected by this legislation.

Alaska Intertie: The Alaska Intertie is a 345 kilovolt transmission line that extends from Willow to Healy and connects the Northern and Southcentral/Southern transmission system. AEA confirmed that there are no transmission towers that exceed 100 feet in height. This project is not anticipated to be affected by this legislation.

Wind Meteorological Program Towers: AEA's wind energy programs uses meteorological (met) towers to assess wind resources for the development, modeling and design of proposed wind systems in communities. Some of these towers exceed 100 feet in height and would require retrofits to conform with the requirements set out in SB177. Retrofitting existing towers requires sending crews and equipment out to lower the tower, install the retrofit, and re-raise the tower. AEA estimates retrofit costs of \$20.0 per tower for each of the estimated 24 towers in the field, for a total expense of \$480.0. AEA owns 25% of the towers, resulting in a total cost of \$120.0 to the state. The remaining share would be borne by the grantees who own the remaining share of the towers. There are no expected maintenance costs.