

HB

19



Alaska State Legislature

Representative Anna Fairclough – House District 17

House Bill 19

“An Act exempting the state and its political subdivisions from daylight saving time.”

In direct response to a number of concerns raised by my constituents and various groups, such as K-12 educators, the elderly, northwestern rural communities, and others, we have been researching the possible repeal of Daylight Saving Time (DST) in Alaska.

It is clear, from two statewide polls done in 2004 and '05, that a strong majority of Alaskan's statewide favor the repeal of DST for a variety of reasons. As most of you know, in 1983, with congressional approval, Alaska consolidated its five time zones into two. This was done to better consolidate our communities and to enable better public services.

Alaska Standard Time (AST) now covers most of our state, with only a few Aleutian Islands in the other time zone. AST is one hour earlier than Pacific Standard Time and four hours earlier than Eastern Standard Time.

Daylight Saving Time was actually an idea that originated as an American domestic policy during World War I to save energy.

Some of the questions we have been asking in our research are:

- Does DST really save energy?
- Does DST adversely impact student performance?
- Does DST in Alaska provide more usable sunlight?
- Does DST have anything to do with farming?
- Has technology changed to improve communication within the business community?

I urge your support on this piece of Legislation

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LEGISLATIVE RESEARCH REPORT

JUNE 4, 2008



REPORT NUMBER 08.269

HISTORY OF DAYLIGHT SAVINGS TIME IN ALASKA

PREPARED FOR REPRESENTATIVE ANNA FAIRCLOUGH

BY TIM SPENGLER, LEGISLATIVE ANALYST

You asked for information on the history of daylight savings time.¹ Specifically, you requested a review of legislative history regarding attempts to eliminate daylight savings time in Alaska. Additionally, you asked if there is federal money attached to staying on daylight savings time.

Daylight Saving Time (DST) was first proposed in a whimsical essay in 1784 by Ben Franklin, as a suggestion for saving candles and lamp oil on summer evenings. It was first advocated seriously in 1907 by British builder William Willett, in the pamphlet *Waste of Daylight*. Daylight Savings Time was used during both World Wars to conserve energy for the war effort. In the United States, from the end of World War II until 1966, there was no uniform national plan. Instead, states and localities determined their own DST systems. In 1966, President Johnson signed the Uniform Time Act, establishing a consistent schedule for the country.²

The Uniform Time Act (UTA) decrees that all states go on DST on the second Sunday in March and off on the first Sunday in November.³ The UTA provides that all states will be on DST unless their legislatures specifically reject it. Currently Arizona (with the exception of the Navajo reservation, which employs DST consistent with the Utah, Colorado, and New Mexico segments of the reservation) and Hawaii are the only states on standard time year round.⁴

¹ Daylight savings is a system of setting clocks ahead so that both sunrise and sunset occur at a later hour, producing an additional hour of daylight in the evening. In the North Temperate Zone, clocks are usually set ahead one hour in the spring and set back to standard time in the fall.

² We found historical background information on DST on numerous sites including *National Geographic News*, *The History of Daylight Savings*, March 31, 2006 and on the *Wikipedia* and *MSN Encarta* web sites.

³ From 1987-2006 DST commenced on the first Sunday in April and concluded on the last Sunday in October. The latest amendment to the Uniform Time Act—part of the Energy Policy Act of 2005—extended DST by four weeks in the belief that it would help conserve energy. The extended DST became effective in 2007.

⁴ Arizona has not observed DST since 1968. This is largely an energy conservation measure since the temperature in the state is extremely hot during the summer, resulting in more power usage from air conditioning units in homes and businesses. Hawaii, because of its tropical climate, would not likely benefit from daylight savings time.

Attachment A

HB 4 (1999), 21st Alaska Legislature
HB 4 (1999), Bill History/Action

HB 409 (2002), 22nd Alaska Legislature
HB 409 (2002), Bill History/Action

SB 120 (2005), 24th Alaska Legislature
SB 120 (2005), Bill History/Action

CS HB 176(STA) (2005), 24th Alaska Legislature
HB 176 (2005), Bill History/Action

HOUSE BILL NO. 4
IN THE LEGISLATURE OF THE STATE OF ALASKA
TWENTY-FIRST LEGISLATURE - FIRST SESSION

BY REPRESENTATIVES KOHRING, Davis

Introduced: 1/19/99

Referred: House Special Committee on World Trade and State/Federal Relations, Labor and Commerce

A BILL

FOR AN ACT ENTITLED

1 **"An Act rejecting the use of daylight saving time."**

2 **BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:**

3 *** Section 1.** AS 01 is amended by adding a new chapter to read:

4 **Chapter 15. Standard Time.**

5 **Sec. 01.15.010. Exemption from daylight saving time.** This state exempts
6 itself from observation of advanced time, also known as daylight saving time, between
7 2:00 a.m. on the first Sunday in April and 2:00 a.m. on the last Sunday in October in
8 each calendar year.

Bill History/Action for 21st Legislature

BILL: HB 4

SHORT TITLE: ELIMINATE DAYLIGHT SAVING TIME

BILL VERSION:

CURRENT STATUS: (H)L&C

STATUS DATE: 03/05/99

THEN RLS

SPONSOR(s): REPRESENTATIVE(s) KOHRING, Davis

TITLE: "An Act rejecting the use of daylight saving time."

Bill Number:

Jm-Date	Jm-Page	Action
01/19/99	<u>0018</u>	(H) PREFILE RELEASED 1/8/99
01/19/99	<u>0018</u>	(H) READ THE FIRST TIME - REFERRAL(S)
01/19/99	<u>0019</u>	(H) WTR, L&C
02/24/99	<u>0307</u>	(H) COSPONSOR(S): DAVIS
03/05/99	<u>0364</u>	(H) WTR RPT 1DP 2DNP 4NR
03/05/99	<u>0364</u>	(H) DP: BARNES; DNP: BERKOWITZ, COWDERY;
03/05/99	<u>0364</u>	(H) NR: MASEK, PHILLIPS, GREEN, JOULE
03/05/99	<u>0364</u>	(H) ZERO FISCAL NOTE (GOV/ALL DEPTS)
03/05/99	<u>0364</u>	(H) REFERRED TO LABOR & COMMERCE

Similar Subject Match or Exact Subject Match

TIME ZONES

Bill Number:

[Return to Basis Main Menu \(21st Legislature\)](#)

HOUSE BILL NO. 409

**IN THE LEGISLATURE OF THE STATE OF ALASKA
TWENTY-SECOND LEGISLATURE - SECOND SESSION**

BY REPRESENTATIVES LANCASTER BY REQUEST, Dyson, Kohring, Croft, Foster

Introduced: 2/13/02

Referred: Labor and Commerce

A BILL

FOR AN ACT ENTITLED

1 **"An Act rejecting the use of daylight saving time."**

2 **BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:**

3 *** Section 1.** AS 01 is amended by adding a new chapter to read:

4 **Chapter 15. Standard Time.**

5 **Sec. 01.15.010. Exemption from daylight saving time.** This state exempts
6 itself from observation of advanced time, also known as daylight saving time, between
7 2:00 a.m. on the first Sunday in April and 2:00 a.m. on the last Sunday in October in
8 each calendar year.

Bill History/Action for 22 Legislature

BILL: HB 409

SHORT TITLE: ELIMINATE DAYLIGHT SAVING TIME

BILL VERSION:

CURRENT STATUS: (H) RLS

STATUS DATE: 04/09/02

SPONSOR(S): REPRESENTATIVE(S) LANCASTER BY REQUEST , Dyson, Kohring, Croft, Foster

TITLE: "An Act rejecting the use of daylight saving time."

Bill Number:

Jrn-Date	Jrn-Page	Action
02/13/02	2233	(H) READ THE FIRST TIME - REFERRALS
02/13/02	2233	(H) L&C
03/06/02	2496	(H) COSPONSOR(S): KOHRING
03/15/02	2563	(H) COSPONSOR(S): CROFT
03/25/02	2674	(H) COSPONSOR(S): WILSON
03/27/02	Text	(H) L&C AT 3:15 PM CAPITOL 17
03/27/02	Text	(H) -- Meeting Canceled --
04/03/02	2788	(H) COSPONSOR REMOVED: WILSON
04/04/02	2806	(H) COSPONSOR(S): FOSTER
04/08/02	Text	(H) L&C AT 3:15 PM CAPITOL 17
04/08/02	Text	(H) Moved Out of Committee
04/08/02	Text	(H) MINUTE(L&C)
04/09/02	2847	(H) L&C RPT 3DP 2NR
04/09/02	2847	(H) DP: MEYER, CRAWFORD, MURKOWSKI;
04/09/02	2847	(H) NR: KOTT, HALCRO
04/09/02	2847	(H) FN1: ZERO(H.L&C)
04/09/02	2847	(H) REFERRED TO RULES

Similar Subject Match or Exact Subject Match

TIME ZONES

Bill Number:

[Return to Basis Main Menu \(22 Legislature\)](#)

SENATE BILL NO. 120

IN THE LEGISLATURE OF THE STATE OF ALASKA

TWENTY-FOURTH LEGISLATURE - FIRST SESSION

BY SENATORS OLSON, Wagoner, Dyson, Stedman

Introduced: 2/28/05

Referred: Community and Regional Affairs, Labor and Commerce

A BILL

FOR AN ACT ENTITLED

1 **"An Act exempting the state and its political subdivisions from daylight saving time."**

2 **BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:**

3 * **Section 1.** AS 44.12 is amended by adding a new section to read:

4 **Article 5. Standard Time.**

5 **Sec. 44.12.400. Exemption from daylight saving time.** Under 15 U.S.C.
6 260a, this state exempts itself and all of its political subdivisions from observation of
7 advanced time, also known as daylight saving time, between 2:00 a.m. on the first
8 Sunday in April and 2:00 a.m. on the last Sunday in October in each calendar year,
9 and the entire state and all of its political subdivisions shall observe the standard time
10 that is otherwise applicable during that time period.

Bill History/Action for 24 Legislature

BILL: SB 120

SHORT TITLE: ELIMINATE DAYLIGHT SAVING TIME

BILL VERSION:

CURRENT STATUS: (S) L&C

STATUS DATE: 04/14/05

SPONSOR(s): SENATOR(S) OLSON, Wagoner, Dyson, Stedman

TITLE: "An Act exempting the state and its political subdivisions from daylight saving time."

Bill Number:

Jrn-Date	Jrn-Page	Action
02/28/05	0414	(S) READ THE FIRST TIME - REFERRALS
02/28/05	0414	(S) CRA, L&C
03/02/05	0447	(S) COSPONSOR(S): WAGONER, DYSON, STEDMAN
04/13/05	Text	(S) CRA AT 1:30 PM BELTZ 211
04/13/05	Text	(S) Moved SB 120 Out of Committee
04/13/05	Text	(S) MINUTE(CRA)
04/14/05	0959	(S) CRA RPT 3NR 1DP
04/14/05	0959	(S) NR: STEVENS G. WAGONER, STEDMAN
04/14/05	0959	(S) DP: ELLIS
04/14/05	0959	(S) FN1: ZERO(ADM)
04/14/05	0959	(S) REFERRED TO LABOR & COMMERCE

Similar Subject Match or Exact Subject Match

TIME ZONES

Bill Number:

[Return to Basis Main Menu \(24 Legislature\)](#)

CS FOR HOUSE BILL NO. 176(STA)
IN THE LEGISLATURE OF THE STATE OF ALASKA
TWENTY-FOURTH LEGISLATURE - FIRST SESSION

BY THE HOUSE STATE AFFAIRS COMMITTEE

Offered: 5/5/05
Referred: Rules

Sponsor(s): REPRESENTATIVES SALMON, Kohring, Croft, Gruenberg

A BILL
FOR AN ACT ENTITLED

1 **"An Act authorizing an advisory vote on whether the legislature should exempt the state**
2 **and its political subdivisions from daylight saving time."**

3 **BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:**

4 *** Section 1.** The uncodified law of the State of Alaska is amended by adding a new section
5 to read:

6 **ADVISORY VOTE.** At the next general election, in compliance with the election
7 laws of the state, the lieutenant governor shall place before the qualified voters of the state a
8 question advisory to the legislature. Notwithstanding AS 15.60.005 relating to preparation of
9 the ballot proposition, the question shall appear on the ballot in the following form:

10 **QUESTION**

11 Shall the legislature exempt the state and all of its political subdivisions
12 from daylight saving time, between 2:00 a.m. on the first Sunday in April and
13 2:00 a.m. on the last Sunday in October in each calendar year, so that the state
14 and all of its political subdivisions observe the standard time that would

1 otherwise apply during that time period?

2 Yes [] No []

Bill History/Action for 24 Legislature

BILL: HB 176

SHORT TITLE: ELIMINATE DAYLIGHT SAVING TIME

BILL VERSION:

CURRENT STATUS: (H) FIN

STATUS DATE: 05/05/05

SPONSOR(s): REPRESENTATIVE(s) SALMON, Kohring, Croft, Gruenberg

TITLE: "An Act exempting the state and its political subdivisions from daylight saving time."

Bill Number:

Jrn-Date	Jrn-Page	Action
02/25/05	0428	(H) READ THE FIRST TIME - REFERRALS
02/25/05	0428	(H) CRA, STA
04/07/05	Text	(H) CRA AT 8:00 AM CAPITOL 124
04/07/05	Text	(H) Moved Out of Committee
04/07/05	Text	(H) MINUTE(CRA)
04/08/05	0931	(H) CRA RPT IDP 1DNP 3NR
04/08/05	0931	(H) DP: SALMON;
04/08/05	0931	(H) DNP: OLSON;
04/08/05	0931	(H) NR: CISSNA, KOTT, LEDOUX
04/08/05	0931	(H) FN1: ZERO(ADM)
04/23/05	Text	(H) STA AT 9:30 AM CAPITOL 106
04/23/05	Text	(H) Heard & Held
04/23/05	Text	(H) MINUTE(STA)
05/05/05	1577	(H) STA RPT CS(STA) NT 1DP 3NR 1AM
05/05/05	1577	(H) DP: SEATON;
05/05/05	1577	(H) NR: LYNN, GATTO, ELKINS;
05/05/05	1577	(H) AM: GRUENBERG
05/05/05	1577	(H) FN1: ZERO(ADM)
05/05/05	1577	(H) FN2: (GOV)
05/05/05	1631	(H) FIN REFERRAL ADDED AFTER STA
05/05/05	1631	(H) REFERRED TO FINANCE
05/05/05	Text	(H) STA AT 8:00 AM CAPITOL 106
05/05/05	Text	(H) Moved CSHB 176(STA) Out of Committee
05/05/05	Text	(H) MINUTE(STA)
03/16/06	Text	(H) FIN AT 1:30 PM HOUSE FINANCE 519
03/16/06	Text	(H) Scheduled But Not Heard
03/16/06	Text	(H) MINUTE(FIN)

Similar Subject Match or Exact Subject Match

TIME ZONES

Bill Number:

[Return to Basis Main Menu \(24 Legislature\)](#)

HB 19

Sunrise and Sunset for U.S.A. – Alaska – Juneau – March 2009

Juneau, Alaska, United States

Juneau is capital of the state Alaska

Modify parameters

Show full month: Year: Body: Columns:
[Change location](#)

Rising and setting times for the Sun

Date	Sunrise	Sunset	Length of day		Time	Solar noon	
			This day	Difference		Altitude	Distance (10 ⁶ km)
Mar 1, 2009	6:52 AM	5:29 PM	10h 37m 24s	+ 5m 05s	12:10 PM	24.5°	148.254
Mar 2, 2009	6:49 AM	5:32 PM	10h 42m 29s	+ 5m 05s	12:10 PM	24.8°	148.290
Mar 3, 2009	6:46 AM	5:34 PM	10h 47m 35s	+ 5m 05s	12:09 PM	25.2°	148.327
Mar 4, 2009	6:44 AM	5:36 PM	10h 52m 41s	+ 5m 05s	12:09 PM	25.6°	148.363
Mar 5, 2009	6:41 AM	5:39 PM	10h 57m 47s	+ 5m 06s	12:09 PM	26.0°	148.400
Mar 6, 2009	6:38 AM	5:41 PM	11h 02m 53s	+ 5m 06s	12:09 PM	26.4°	148.438
Mar 7, 2009	6:35 AM	5:43 PM	11h 07m 59s	+ 5m 06s	12:09 PM	26.8°	148.476
Mar 8, 2009	7:32 AM	6:45 PM	11h 13m 06s	+ 5m 06s	1:08 PM	27.2°	148.514
Mar 9, 2009	7:30 AM	6:48 PM	11h 18m 13s	+ 5m 06s	1:08 PM	27.5°	148.553
Mar 10, 2009	7:27 AM	6:50 PM	11h 23m 19s	+ 5m 06s	1:08 PM	27.9°	148.592
Mar 11, 2009	7:24 AM	6:52 PM	11h 28m 26s	+ 5m 06s	1:08 PM	28.3°	148.632
Mar 12, 2009	7:21 AM	6:55 PM	11h 33m 33s	+ 5m 06s	1:07 PM	28.7°	148.672
Mar 13, 2009	7:18 AM	6:57 PM	11h 38m 40s	+ 5m 06s	1:07 PM	29.1°	148.713
Mar 14, 2009	7:15 AM	6:59 PM	11h 43m 47s	+ 5m 06s	1:07 PM	29.5°	148.754
Mar 15, 2009	7:13 AM	7:02 PM	11h 48m 54s	+ 5m 07s	1:06 PM	29.9°	148.796
Mar 16, 2009	7:10 AM	7:04 PM	11h 54m 01s	+ 5m 07s	1:06 PM	30.3°	148.838
Mar 17, 2009	7:07 AM	7:06 PM	11h 59m 08s	+ 5m 07s	1:06 PM	30.7°	148.880
Mar 18, 2009	7:04 AM	7:08 PM	12h 04m 15s	+ 5m 07s	1:06 PM	31.1°	148.923
Mar 19, 2009	7:01 AM	7:11 PM	12h 09m 22s	+ 5m 07s	1:05 PM	31.5°	148.965
Mar 20, 2009	6:58 AM	7:13 PM	12h 14m 29s	+ 5m 07s	1:05 PM	31.9°	149.008
Mar 21, 2009	6:56 AM	7:15 PM	12h 19m 37s	+ 5m 07s	1:05 PM	32.3°	149.051
Mar 22, 2009	6:53 AM	7:17 PM	12h 24m 44s	+ 5m 07s	1:04 PM	32.7°	149.094
Mar 23, 2009	6:50 AM	7:20 PM	12h 29m 51s	+ 5m 07s	1:04 PM	33.1°	149.137
Mar 24, 2009	6:47 AM	7:22 PM	12h 34m 58s	+ 5m 06s	1:04 PM	33.5°	149.180
Mar 25, 2009	6:44 AM	7:24 PM	12h 40m 05s	+ 5m 06s	1:03 PM	33.8°	149.222
Mar 26, 2009	6:41 AM	7:26 PM	12h 45m 11s	+ 5m 06s	1:03 PM	34.2°	149.265

Sunrise and Sunset for U.S.A. – Alaska – Nome – March 2009

Nome, Alaska, United States

Modify parameters

Show full month: Year: Body: Columns:

[Change location](#)

Rising and setting times for the Sun

Date	Sunrise	Sunset	Length of day		Time	Solar noon	
			This day	Difference		Altitude	Distance (10 ⁶ km)
Mar 1, 2009	9:08 AM	7:21 PM	10h 12m 06s	+ 6m 40s	2:14 PM	18.3°	148.258
Mar 2, 2009	9:05 AM	7:24 PM	10h 18m 47s	+ 6m 40s	2:14 PM	18.6°	148.294
Mar 3, 2009	9:01 AM	7:27 PM	10h 25m 27s	+ 6m 40s	2:13 PM	19.0°	148.330
Mar 4, 2009	8:58 AM	7:30 PM	10h 32m 08s	+ 6m 40s	2:13 PM	19.4°	148.367
Mar 5, 2009	8:54 AM	7:33 PM	10h 38m 47s	+ 6m 39s	2:13 PM	19.8°	148.404
Mar 6, 2009	8:51 AM	7:36 PM	10h 45m 27s	+ 6m 39s	2:13 PM	20.2°	148.442
Mar 7, 2009	8:47 AM	7:39 PM	10h 52m 07s	+ 6m 39s	2:12 PM	20.6°	148.479
Mar 8, 2009	9:44 AM	8:42 PM	10h 58m 46s	+ 6m 39s	3:12 PM	21.0°	148.518
Mar 9, 2009	9:40 AM	8:45 PM	11h 05m 25s	+ 6m 39s	3:12 PM	21.4°	148.557
Mar 10, 2009	9:36 AM	8:49 PM	11h 12m 04s	+ 6m 38s	3:12 PM	21.7°	148.596
Mar 11, 2009	9:33 AM	8:52 PM	11h 18m 42s	+ 6m 38s	3:11 PM	22.1°	148.636
Mar 12, 2009	9:29 AM	8:55 PM	11h 25m 21s	+ 6m 38s	3:11 PM	22.5°	148.676
Mar 13, 2009	9:26 AM	8:58 PM	11h 32m 00s	+ 6m 38s	3:11 PM	22.9°	148.717
Mar 14, 2009	9:22 AM	9:01 PM	11h 38m 38s	+ 6m 38s	3:11 PM	23.3°	148.759
Mar 15, 2009	9:19 AM	9:04 PM	11h 45m 16s	+ 6m 38s	3:10 PM	23.7°	148.800
Mar 16, 2009	9:15 AM	9:07 PM	11h 51m 55s	+ 6m 38s	3:10 PM	24.1°	148.842
Mar 17, 2009	9:11 AM	9:10 PM	11h 58m 33s	+ 6m 38s	3:10 PM	24.5°	148.884
Mar 18, 2009	9:08 AM	9:13 PM	12h 05m 11s	+ 6m 38s	3:09 PM	24.9°	148.927
Mar 19, 2009	9:04 AM	9:16 PM	12h 11m 50s	+ 6m 38s	3:09 PM	25.3°	148.970
Mar 20, 2009	9:01 AM	9:19 PM	12h 18m 28s	+ 6m 38s	3:09 PM	25.7°	149.012
Mar 21, 2009	8:57 AM	9:22 PM	12h 25m 06s	+ 6m 38s	3:09 PM	26.1°	149.055
Mar 22, 2009	8:53 AM	9:25 PM	12h 31m 45s	+ 6m 38s	3:08 PM	26.5°	149.098
Mar 23, 2009	8:50 AM	9:28 PM	12h 38m 24s	+ 6m 38s	3:08 PM	26.9°	149.141
Mar 24, 2009	8:46 AM	9:31 PM	12h 45m 02s	+ 6m 38s	3:08 PM	27.3°	149.184
Mar 25, 2009	8:42 AM	9:34 PM	12h 51m 41s	+ 6m 38s	3:07 PM	27.7°	149.227
Mar 26, 2009	8:39 AM	9:37 PM	12h 58m 20s	+ 6m 38s	3:07 PM	28.0°	149.269
Mar 27, 2009	8:35 AM	9:40 PM	13h 04m 59s	+ 6m 39s	3:07 PM	28.4°	149.312
Mar 28, 2009	8:32 AM	9:43 PM	13h 11m 38s	+ 6m 39s	3:06 PM	28.8°	149.354

Sunrise and Sunset for U.S.A. – Alaska – Anchorage – March 2009

Anchorage, Alaska, United States

Modify parameters

Show full month: Year: Body: Columns:
[Change location](#)

Rising and setting times for the Sun

Date	Sunrise	Sunset	Length of day		Time	Solar noon	
			This day	Difference		Altitude	Distance (10 ⁶ km)
Mar 1, 2009	7:59 AM	6:26 PM	10h 26m 50s	+ 5m 44s	1:12 PM	21.6°	148.256
Mar 2, 2009	7:56 AM	6:28 PM	10h 32m 35s	+ 5m 44s	1:11 PM	21.9°	148.292
Mar 3, 2009	7:53 AM	6:31 PM	10h 38m 20s	+ 5m 45s	1:11 PM	22.3°	148.328
Mar 4, 2009	7:50 AM	6:34 PM	10h 44m 05s	+ 5m 45s	1:11 PM	22.7°	148.365
Mar 5, 2009	7:47 AM	6:36 PM	10h 49m 50s	+ 5m 45s	1:11 PM	23.1°	148.402
Mar 6, 2009	7:43 AM	6:39 PM	10h 55m 35s	+ 5m 45s	1:11 PM	23.5°	148.440
Mar 7, 2009	7:40 AM	6:42 PM	11h 01m 20s	+ 5m 45s	1:10 PM	23.9°	148.477
Mar 8, 2009	8:37 AM	7:44 PM	11h 07m 06s	+ 5m 45s	2:10 PM	24.3°	148.516
Mar 9, 2009	8:34 AM	7:47 PM	11h 12m 51s	+ 5m 45s	2:10 PM	24.6°	148.555
Mar 10, 2009	8:31 AM	7:50 PM	11h 18m 36s	+ 5m 45s	2:10 PM	25.0°	148.594
Mar 11, 2009	8:28 AM	7:52 PM	11h 24m 21s	+ 5m 45s	2:09 PM	25.4°	148.634
Mar 12, 2009	8:25 AM	7:55 PM	11h 30m 07s	+ 5m 45s	2:09 PM	25.8°	148.674
Mar 13, 2009	8:22 AM	7:57 PM	11h 35m 52s	+ 5m 44s	2:09 PM	26.2°	148.715
Mar 14, 2009	8:18 AM	8:00 PM	11h 41m 37s	+ 5m 45s	2:09 PM	26.6°	148.756
Mar 15, 2009	8:15 AM	8:03 PM	11h 47m 22s	+ 5m 45s	2:08 PM	27.0°	148.798
Mar 16, 2009	8:12 AM	8:05 PM	11h 53m 07s	+ 5m 45s	2:08 PM	27.4°	148.840
Mar 17, 2009	8:09 AM	8:08 PM	11h 58m 53s	+ 5m 45s	2:08 PM	27.8°	148.882
Mar 18, 2009	8:06 AM	8:10 PM	12h 04m 38s	+ 5m 45s	2:07 PM	28.2°	148.925
Mar 19, 2009	8:03 AM	8:13 PM	12h 10m 23s	+ 5m 45s	2:07 PM	28.6°	148.967
Mar 20, 2009	7:59 AM	8:16 PM	12h 16m 09s	+ 5m 45s	2:07 PM	29.0°	149.010
Mar 21, 2009	7:56 AM	8:18 PM	12h 21m 54s	+ 5m 45s	2:06 PM	29.4°	149.053
Mar 22, 2009	7:53 AM	8:21 PM	12h 27m 39s	+ 5m 45s	2:06 PM	29.8°	149.096
Mar 23, 2009	7:50 AM	8:23 PM	12h 33m 24s	+ 5m 45s	2:06 PM	30.2°	149.139
Mar 24, 2009	7:47 AM	8:26 PM	12h 39m 10s	+ 5m 45s	2:06 PM	30.6°	149.182
Mar 25, 2009	7:44 AM	8:29 PM	12h 44m 55s	+ 5m 45s	2:05 PM	30.9°	149.224
Mar 26, 2009	7:40 AM	8:31 PM	12h 50m 40s	+ 5m 45s	2:05 PM	31.3°	149.267
Mar 27, 2009	7:37 AM	8:34 PM	12h 56m 26s	+ 5m 45s	2:05 PM	31.7°	149.309

Daylight Saving Time Around the World 2009

See [The World Clock](#) for list of current times around the world, and which places are observing DST at the moment (marked by * in The World Clock).

Daylight saving time is also called summer time or daylight savings time. When DST is not observed, it is called standard time, normal time or winter time.

This list displays a brief (but not complete) overview over which countries that plan to observe DST during 2009. **Note that the list might not be final - countries and states sometimes make adjustments that are announced just days or weeks ahead of the change.**

Detailed information is available for [the first half of 2009](#) and [the second half of 2009](#).

Country	Region/states	Example location	DST start date	DST end date
Afghanistan	All locations	<u>Kabul</u>	No DST in 2009	
Albania	All locations	<u>Tirane</u>	Sunday, March 29	Sunday, October 25
Algeria	All locations	<u>Algiers</u>	No DST in 2009	
Andorra	All locations	<u>Andorra La Vella</u>	Sunday, March 29	Sunday, October 25
Angola	All locations	<u>Luanda</u>	No DST in 2009	
Antarctica	Most locations Some locations	<u>Mawson</u> <u>South Pole</u>	No DST in 2009 Sunday, September 27	Sunday, April 5
Antigua and Barbuda	All locations	<u>Saint John's</u>	No DST in 2009	
Argentina	Most locations Catamarca, Chubut, Jujuy, Mendoza, Santa Cruz, Salta, Tierra del Fuego, La Pampa, La Rioja, Rio Negro, San Juan, Neuquén	<u>Buenos Aires</u> <u>Mendoza</u>	Sunday, October 18 No DST in 2009	Sunday, March 15
Armenia	San Luis All locations	<u>San Luis</u> <u>Yerevan</u>	Sunday, October 18 Sunday, March 29	Does not end this year Sunday, October 25
Australia	Most locations South Australia, Australian Capital Territory, Victoria, New South Wales, Tasmania	<u>Brisbane</u> <u>Melbourne</u>	No DST in 2009 Sunday, October 4	Sunday, April 5
	Tasmania Western Australia	<u>Perth</u>	Does not start this year	Sunday, March 29
	Lord Howe Island	<u>Lord Howe Island</u>	Sunday, October 4	Sunday, April 5
Austria	All locations	<u>Vienna</u>	Sunday, March 29	Sunday, October 25
Azerbaijan	All locations	<u>Baku</u>	Sunday, March 29	Sunday, October 25
Bahamas	All locations	<u>Nassau</u>	Sunday, March 8	Sunday, November 1
Bahrain	All locations	<u>Manama</u>	No DST in 2009	
Bangladesh	All locations	<u>Dhaka</u>	No DST in 2009	
Barbados	All locations	<u>Bridgetown</u>	No DST in 2009	
Belarus	All locations	<u>Minsk</u>	Sunday, March 29	Sunday, October 25
Belgium	All locations	<u>Brussels</u>	Sunday, March 29	Sunday, October 25
Belize	All locations	<u>Belmopan</u>	No DST in 2009	
Benin	All locations	<u>Porto Novo</u>	No DST in 2009	
Bhutan	All locations	<u>Thimphu</u>	No DST in 2009	
Bolivia	All locations	<u>La Paz</u>	No DST in 2009	
Bosnia-	All locations	<u>Sarajevo</u>	Sunday, March 29	Sunday, October 25

Herzegovina				
Botswana	All locations	<u>Gaborone</u>	No DST in 2009	
	Most locations	<u>Rio de Janeiro</u>	Sunday, October 18	Sunday, February 15
	Amazonas, Pernambuco, Bahia, Sergipe, Para, Paraíba, Ceará, Amapá, Alagoas, Rondônia, Rio Grande do Norte, Piauí, Maranhão, Acre, Roraima, Tocantins			
Brazil		<u>Manaus</u>	No DST in 2009	
British Indian Ocean Territory	All locations	<u>Diego Garcia</u>	No DST in 2009	
Brunei		<u>Bandar Seri Begawan</u>	No DST in 2009	
Darussalam	All locations			
Bulgaria	All locations	<u>Sofia</u>	Sunday, March 29	Sunday, October 25
Burkina Faso	All locations	<u>Ouagadougou</u>	No DST in 2009	
Burundi	All locations	<u>Bujumbura</u>	No DST in 2009	
Cambodia	All locations	<u>Phnom Penh</u>	No DST in 2009	
Cameroon	All locations	<u>Yaoundé</u>	No DST in 2009	
	Most locations	<u>Montreal</u>	Sunday, March 8	Sunday, November 1
	much of Saskatchewan, small region of British Columbia, small region of Nunavut Territory, small region of Quebec			
Canada		<u>Regina</u>	No DST in 2009	
Cape Verde	All locations	<u>Praia</u>	No DST in 2009	
Central African Republic	All locations	<u>Bangui</u>	No DST in 2009	
Chad	All locations	<u>Ndjamena</u>	No DST in 2009	
Chile	Most locations	<u>Santiago</u>	Sunday, October 11	Sunday, March 15
		<u>Easter Island</u>	Saturday, October 10	Saturday, March 14
China	All locations	<u>Beijing</u>	No DST in 2009	
Colombia	All locations	<u>Bogota</u>	No DST in 2009	
Comoros	All locations	<u>Moroni</u>	No DST in 2009	
Congo	All locations	<u>Brazzaville</u>	No DST in 2009	
Cook Islands	All locations	<u>Rarotonga</u>	No DST in 2009	
Costa Rica	All locations	<u>San Jose</u>	No DST in 2009	
Cote d'Ivoire (Ivory Coast)	All locations	<u>Yamoussoukro</u>	No DST in 2009	
Croatia	All locations	<u>Zagreb</u>	Sunday, March 29	Sunday, October 25
Cuba	All locations	<u>Havana</u>	Sunday, March 8	Sunday, October 25
Cyprus	All locations	<u>Nicosia</u>	Sunday, March 29	Sunday, October 25
Czech Republic	All locations	<u>Prague</u>	Sunday, March 29	Sunday, October 25
Democratic Republic of the Congo	All locations	<u>Kinshasa</u>	No DST in 2009	
	Most locations	<u>Copenhagen</u>	Sunday, March 29	Sunday, October 25
Denmark	Greenland	<u>Nuuk</u>	Saturday, March 28	Saturday, October 24
	Greenland	<u>Qaanaaq</u>	Sunday, March 8	Sunday, November 1
Djibouti	All locations	<u>Djibouti</u>	No DST in 2009	
Dominica	All locations	<u>Roseau</u>	No DST in 2009	
Dominican Republic	All locations	<u>Santo Domingo</u>	No DST in 2009	
Ecuador	All locations	<u>Quito</u>	No DST in 2009	
Egypt	All locations	<u>Cairo</u>	Friday, April 24	Friday, September 25
El Salvador	All locations	<u>San Salvador</u>	No DST in 2009	
Equatorial Guinea	All locations	<u>Malabo</u>	No DST in 2009	

Eritrea	All locations	<u>Asmara</u>	No DST in 2009	
Estonia	All locations	<u>Tallinn</u>	Sunday, March 29	Sunday, October 25
Ethiopia	All locations	<u>Addis Ababa</u>	No DST in 2009	
Fiji	All locations	<u>Suva</u>	No DST in 2009	
Finland	All locations	<u>Helsinki</u>	Sunday, March 29	Sunday, October 25
	Most locations	<u>Paris</u>	Sunday, March 29	Sunday, October 25
	French Guiana, Tahiti, Kerguelen, Guadeloupe, Martinique, Mayotte, New Caledonia, Wallis and Futuna, Marquesas Islands, French Polynesia			
France	Saint Pierre and Miquelon	<u>Papeete</u>	No DST in 2009	
		<u>Saint-Pierre</u>	Sunday, March 8	Sunday, November 1
Gabon	All locations	<u>Libreville</u>	No DST in 2009	
Gambia	All locations	<u>Banjul</u>	No DST in 2009	
Gaza Strip	All locations	<u>Gaza</u>	Friday, March 27	Thursday, August 27
Georgia	All locations	<u>Tbilisi</u>	No DST in 2009	
Germany	All locations	<u>Berlin</u>	Sunday, March 29	Sunday, October 25
Ghana	All locations	<u>Accra</u>	No DST in 2009	
Greece	All locations	<u>Athens</u>	Sunday, March 29	Sunday, October 25
Grenada	All locations	<u>Saint George's</u>	No DST in 2009	
Guatemala	All locations	<u>Guatemala</u>	No DST in 2009	
Guinea	All locations	<u>Conakry</u>	No DST in 2009	
Guinea Bissau	All locations	<u>Bissau</u>	No DST in 2009	
Guyana	All locations	<u>Georgetown</u>	No DST in 2009	
Haiti	All locations	<u>Port-au-Prince</u>	No DST in 2009	
Honduras	All locations	<u>Tegucigalpa</u>	No DST in 2009	
Hungary	All locations	<u>Budapest</u>	Sunday, March 29	Sunday, October 25
Iceland	All locations	<u>Reykjavik</u>	No DST in 2009	
India	All locations	<u>New Delhi</u>	No DST in 2009	
Indonesia	All locations	<u>Jakarta</u>	No DST in 2009	
Iran	All locations	<u>Tehran</u>	Sunday, March 22	Tuesday, September 22
Iraq	All locations	<u>Baghdad</u>	No DST in 2009	
Ireland	All locations	<u>Dublin</u>	Sunday, March 29	Sunday, October 25
Isle of Man	All locations	<u>Douglas</u>	Sunday, March 29	Sunday, October 25
Israel	All locations	<u>Jerusalem</u>	Friday, March 27	Sunday, September 27
Italy	All locations	<u>Rome</u>	Sunday, March 29	Sunday, October 25
Jamaica	All locations	<u>Kingston</u>	No DST in 2009	
Japan	All locations	<u>Tokyo</u>	No DST in 2009	
Jordan	All locations	<u>Amman</u>	Friday, March 27	Friday, October 30
Kazakstan	All locations	<u>Almaty</u>	No DST in 2009	
Kenya	All locations	<u>Nairobi</u>	No DST in 2009	
Kiribati	All locations	<u>Kiritimati</u>	No DST in 2009	
Kosovo	All locations	<u>Pristina</u>	Sunday, March 29	Sunday, October 25
Kuwait	All locations	<u>Kuwait City</u>	No DST in 2009	
Kyrgyzstan	All locations	<u>Bishkek</u>	No DST in 2009	
Laos	All locations	<u>Vientiane</u>	No DST in 2009	
Latvia	All locations	<u>Riga</u>	Sunday, March 29	Sunday, October 25
Lebanon	All locations	<u>Beirut</u>	Sunday, March 29	Sunday, October 25
Lesotho	All locations	<u>Maseru</u>	No DST in 2009	
Liberia	All locations	<u>Monrovia</u>	No DST in 2009	
Libya	All locations	<u>Tripoli</u>	No DST in 2009	
Liechtenstein	All locations	<u>Vaduz</u>	Sunday, March 29	Sunday, October 25
Lithuania	All locations	<u>Vilnius</u>	Sunday, March 29	Sunday, October 25
Luxembourg	All locations	<u>Luxembourg</u>	Sunday, March 29	Sunday, October 25
Macedonia	All locations	<u>Skopje</u>	Sunday, March 29	Sunday, October 25
Madagascar	All locations	<u>Antananarivo</u>	No DST in 2009	

Malawi	All locations	<u>Lilongwe</u>	No DST in 2009	
Malaysia	All locations	<u>Kuala Lumpur</u>	No DST in 2009	
Maldives	All locations	<u>Male</u>	No DST in 2009	
Mali	All locations	<u>Bamako</u>	No DST in 2009	
Malta	All locations	<u>Valletta</u>	Sunday, March 29	Sunday, October 25
Marshall Islands	All locations	<u>Majuro</u>	No DST in 2009	
Mauritania	All locations	<u>Nouakchott</u>	No DST in 2009	
Mauritius	All locations	<u>Port Louis</u>	Sunday, October 25	Sunday, March 29
Mexico	Most locations	<u>Mexico City</u>	Sunday, April 5	Sunday, October 25
	Sonora	<u>Hermosillo</u>	No DST in 2009	
Micronesia	All locations	<u>Palikir</u>	No DST in 2009	
Moldova	All locations	<u>Chisinau</u>	Sunday, March 29	Sunday, October 25
Monaco	All locations	<u>Monaco</u>	Sunday, March 29	Sunday, October 25
Mongolia	All locations	<u>Ulaanbaatar</u>	No DST in 2009	
Montenegro	All locations	<u>Podgorica</u>	Sunday, March 29	Sunday, October 25
Morocco	All locations	<u>Casablanca</u>	No DST in 2009	
Mozambique	All locations	<u>Maputo</u>	No DST in 2009	
Myanmar	All locations	<u>Yangon</u>	No DST in 2009	
Namibia	All locations	<u>Windhoek</u>	Sunday, September 6	Sunday, April 5
Nauru	All locations	<u>Yaren</u>	No DST in 2009	
Nepal	All locations	<u>Kathmandu</u>	No DST in 2009	
	Most locations	<u>Amsterdam</u>	Sunday, March 29	Sunday, October 25
Netherlands	Aruba, Netherlands Antilles, Saint Martin	<u>Oranjestad</u>	No DST in 2009	
New Zealand	Most locations	<u>Auckland</u>	Sunday, September 27	Sunday, April 5
	Tokelau	<u>Fakaofu</u>	No DST in 2009	
Nicaragua	All locations	<u>Managua</u>	No DST in 2009	
Niger	All locations	<u>Niamey</u>	No DST in 2009	
Nigeria	All locations	<u>Lagos</u>	No DST in 2009	
Niue	All locations	<u>Alofi</u>	No DST in 2009	
North Korea	All locations	<u>Pyongyang</u>	No DST in 2009	
Norway	All locations	<u>Oslo</u>	Sunday, March 29	Sunday, October 25
Oman	All locations	<u>Muscat</u>	No DST in 2009	
Pakistan	All locations	<u>Islamabad</u>	No DST in 2009	
Palau	All locations	<u>Koror</u>	No DST in 2009	
Panama	All locations	<u>Panama</u>	No DST in 2009	
Papua New Guinea	All locations	<u>Port Moresby</u>	No DST in 2009	
Paraguay	All locations	<u>Asuncion</u>	Sunday, October 18	Sunday, March 8
Peru	All locations	<u>Lima</u>	No DST in 2009	
Philippines	All locations	<u>Manila</u>	No DST in 2009	
Poland	All locations	<u>Warsaw</u>	Sunday, March 29	Sunday, October 25
Portugal	All locations	<u>Lisbon</u>	Sunday, March 29	Sunday, October 25
Puerto Rico	All locations	<u>San Juan</u>	No DST in 2009	
Qatar	All locations	<u>Doha</u>	No DST in 2009	
Reunion (French)	All locations	<u>Saint-Denis</u>	No DST in 2009	
Romania	All locations	<u>Bucharest</u>	Sunday, March 29	Sunday, October 25
Russian Federation	All locations	<u>Moscow</u>	Sunday, March 29	Sunday, October 25
Rwanda	All locations	<u>Kigali</u>	No DST in 2009	
Saint Kitts and Nevis	All locations	<u>Basseterre</u>	No DST in 2009	
Saint Lucia	All locations	<u>Castries</u>	No DST in 2009	
Saint Vincent	All locations	<u>Kingstown</u>	No DST in 2009	

and Grenadines				
Samoa	All locations	<u>Apia</u>	Sunday, October 4	Does not end this year
San Marino	All locations	<u>San Marino</u>	Sunday, March 29	Sunday, October 25
Sao Tome and Principe	All locations	<u>São Tomé</u>	No DST in 2009	
Saudi Arabia	All locations	<u>Riyadh</u>	No DST in 2009	
Senegal	All locations	<u>Dakar</u>	No DST in 2009	
Serbia	All locations	<u>Belgrade</u>	Sunday, March 29	Sunday, October 25
Seychelles	All locations	<u>Victoria</u>	No DST in 2009	
Sierra Leone	All locations	<u>Freetown</u>	No DST in 2009	
Singapore	All locations	<u>Singapore</u>	No DST in 2009	
Slovak Republic	All locations	<u>Bratislava</u>	Sunday, March 29	Sunday, October 25
Slovenia	All locations	<u>Ljubljana</u>	Sunday, March 29	Sunday, October 25
Solomon Islands	All locations	<u>Honiara</u>	No DST in 2009	
Somalia	All locations	<u>Mogadishu</u>	No DST in 2009	
South Africa	All locations	<u>Johannesburg</u>	No DST in 2009	
South Korea	All locations	<u>Seoul</u>	No DST in 2009	
Spain	All locations	<u>Madrid</u>	Sunday, March 29	Sunday, October 25
Sri Lanka	All locations	<u>Colombo</u>	No DST in 2009	
Sudan	All locations	<u>Khartoum</u>	No DST in 2009	
Suriname	All locations	<u>Paramaribo</u>	No DST in 2009	
Swaziland	All locations	<u>Mbabane</u>	No DST in 2009	
Sweden	All locations	<u>Stockholm</u>	Sunday, March 29	Sunday, October 25
Switzerland	All locations	<u>Geneva</u>	Sunday, March 29	Sunday, October 25
Syria	All locations	<u>Damascus</u>	Friday, April 3	Sunday, November 1
Taiwan	All locations	<u>Taipei</u>	No DST in 2009	
Tajikistan	All locations	<u>Dushanbe</u>	No DST in 2009	
Tanzania	All locations	<u>Dar es Salaam</u>	No DST in 2009	
Thailand	All locations	<u>Bangkok</u>	No DST in 2009	
Timor-Leste	All locations	<u>Dili</u>	No DST in 2009	
Togo	All locations	<u>Lome</u>	No DST in 2009	
Tonga	All locations	<u>Nukualofa</u>	No DST in 2009	
Trinidad and Tobago	All locations	<u>Port of Spain</u>	No DST in 2009	
Tunisia	All locations	<u>Tunis</u>	Sunday, March 29	Sunday, October 25
Turkey	All locations	<u>Ankara</u>	Sunday, March 29	Sunday, October 25
Turkmenistan	All locations	<u>Ashgabat</u>	No DST in 2009	
Tuvalu	All locations	<u>Funafuti</u>	No DST in 2009	
Uganda	All locations	<u>Kampala</u>	No DST in 2009	
Ukraine	All locations	<u>Kyiv</u>	Sunday, March 29	Sunday, October 25
United Arab Emirates	All locations	<u>Dubai</u>	No DST in 2009	
	Most locations	<u>London</u>	Sunday, March 29	Sunday, October 25
	Grand Cayman, Anguilla, British Virgin Islands, Montserrat, Saint Helena, Pitcairn Islands	<u>Georgetown</u>	No DST in 2009	
United Kingdom	Bermuda, Turks and Caicos Islands	<u>Hamilton</u>	Sunday, March 8	Sunday, November 1
	Falkland Islands	<u>Stanley</u>	Sunday, September 6	Sunday, April 19
	Most locations	<u>Washington DC</u>	Sunday, March 8	Sunday, November 1
United States	Mariana Islands, Hawaii, Arizona, Virgin Islands, Northern Mariana Islands, American Samoa, Midway Islands	<u>Honolulu</u>	No DST in 2009	
Uruguay	All locations	<u>Montevideo</u>	Sunday, October 4	Sunday, March 8
Uzbekistan	All locations	<u>Tashkent</u>	No DST in 2009	

Vanuatu	All locations	<u>Port Vila</u>	No DST in 2009	
Vatican City State	All locations	<u>Vatican City</u>	Sunday, March 29	Sunday, October 25
Venezuela	All locations	<u>Caracas</u>	No DST in 2009	
Vietnam	All locations	<u>Hanoi</u>	No DST in 2009	
West Bank	All locations	<u>Bethlehem</u>	Friday, March 27	Monday, August 31
Western Sahara	All locations	<u>El Aaiún</u>	No DST in 2009	
Yemen	All locations	<u>Aden</u>	No DST in 2009	
Zambia	All locations	<u>Lusaka</u>	No DST in 2009	
Zimbabwe	All locations	<u>Harare</u>	No DST in 2009	

Daylight Saving Time statistics for 2009

<u>Daylight Saving Time observance?</u>	<u>Count</u>
Countries which do not observe DST at all	131
Countries where at least one location observe DST	74
-Countries where all locations observe DST some part of the year	63
-Countries where many, but not all locations observe DST	11

Rob Earl

From: Rick G. Braun [rsbraun@gci.net]
Sent: Wednesday, March 11, 2009 9:29 AM
To: Rob Earl
Subject: Daylight Savings Time

There is a bill before the legislature to repeal Daylight Savings Time (HB 19).

I think many of us would agree it would be nice not to have to change our clocks ahead or back twice a year. The broader question is, if we leave our clocks on the same time zone throughout the year, which time zone should that be? This is a big problem for a state as enormous as Alaska which stretches across almost three time zones. That means the sun rises in Hyder in Southeast 2.7 hours before it rises in St. Paul in the Pribilofs.

In 1983, our state leaders decided that all of Alaska except the far western Aleutians would be on one time zone. There were a lot of objections to this from the communities in Southeast Alaska that were then on Pacific Time and did a lot of their business with Seattle and the western states. In the interest of state unity, the communities of southeast reluctantly adapted to the change.

Alaska Time is not ideal for Southeast Alaska. Our natural time zone is Pacific Time. This means that in the summer, we get up too late to take advantage of the most sunlight. Outdoor work, ball games and barbecues end too soon because of early darkness. Daylight Savings Time (DST) corrects that problem for us a little, in the spring, summer and fall.

HB19 will repeal DST and keep us on Alaska Standard Time year round. This means that when the rest of the country is on DST, we will be two hours later than Seattle, and five hours later than the east coast. Most of the Yukon Territory is further west than Juneau and yet, HB 19 will put it two hours ahead of Juneau. HB 19 is politics ignoring geography.

HB 19 might be a good idea for people in Central and Western Alaska but it's a bad idea for Southeast Alaska. Alaska Standard Time and Alaska Daylight Savings Time is a compromise in the interest of state unity. HB 19 ignores that compromise and the needs of Alaskans in Southeast.

Please stop HB 19. Call the Legislative Information Office (772-3741) in Petersburg on how to contact your legislators and the appropriate committee members.

Rick Braun
907 772 3986

Terry Harvey

From: Rep. Cathy Munoz
Sent: Monday, March 09, 2009 2:10 PM
To: Terry Harvey
Subject: FW: we are opposed to HB 19

Please add to committee file. Cathy

From: Randy Host [mailto:host_randy@yahoo.com]
Sent: Sunday, March 08, 2009 12:57 PM
To: Rep. Anna Fairclough; Rep. Beth Kerttula; Rep. Cathy Munoz
Subject: we are opposed to HB 19

Dear Representatives,

We are strongly opposed to HB 19 and HJR 20. In SE Alaska we really need more light in the evenings and the sun already comes up at 2 AM in the summertime, which makes it hard to get decent sleep . Please, please don't make the sun come up earlier and take away from the longer summer nights. They aren't that long in SE Alaska, and they are a reward for living here during the dark winters.

Additionally, we are Federal employees and HB 19 would create a 5 hour time difference between us and our headquarter's offices, making work communciation even more difficult.

However, if HB 19 does receive a lot of support, we request that an additional bill be put forth making SE Alaska part of the Pacific time zone. It does not make sense for Alaska's eastern communities to be deprived of the evening summer sunlight at the benefit of Alaska's communities hundreds of miles to the west.

Thank you for considering our comments.

Randy Host

17415 Christine Ave

Juneau, AK 99801

907 789 5766

Rob Earl

From: Lucy Brown [LBrown@FNBAAlaska.com]
Sent: Monday, January 26, 2009 8:51 AM
To: Sen. Con Bunde; Sen. John Cowdery; Sen. Bettye Davis; Sen. Fred Dyson; Sen. Johnny Ellis; Sen. Kim Elton; Sen. Hollis French; Sen. Lyda Green; Sen. Lyman Hoffman; Sen. Charlie Huggins; Sen. Albert Kookesh; Sen. Lesil McGuire; Sen. Donny Olson; Sen. Bert Stedman; Sen. Gary Stevens; Sen. Gene Therriault; Sen. Joe Thomas; Sen. Tom Wagoner; Sen. Bill Wielechowski; Sen. Gary Wilken; Rep. Bob Buch; Rep. Mike Chenault; Rep. Sharon Cissna; Rep. John Coghill; Rep. Harry Crawford; Rep. Nancy Dahlstrom; Rep. Andrea Doll; Rep. Mike Doogan; Rep. Bryce Edgmon; Rep. Anna Fairclough; Rep. Richard Foster; Rep. Les Gara; Rep. Berta Gardner; Rep. Carl Gatto; Rep. Max Gruenberg; Rep. David Guttenberg; Rep. John Harris; Rep. Mike Hawker; Rep. Lindsey Holmes; Rep. Kyle Johansen; Rep. Craig Johnson; Rep. Reggie Joule; Rep. Scott Kawasaki; Rep. Wes Keller; representative_michael_kelly@legis.state.ak.us; Rep. Beth Kerttula; Rep. Gabrielle LeDoux; Rep. Bob Lynn; Sen. Kevin Meyer; Rep. Mary Nelson; Rep. Mark Neuman; Rep. Kurt Olson; representative_jay_ramras@legis.state.ak.us; Rep. Bob Roses; Rep. Woodie Salmon; Rep. Ralph Samuels; Rep. Paul Seaton; Rep. Bill Stoltze; representative_william_thomas@legis.state.ak.us; Rep. Peggy Wilson

To: The Alaska State Legislature

I strongly recommend the abolishment of Daylight Savings Time. It is totally inappropriate and an absolute waste of time, money and energy. Your effort would be appreciated.

Sincerely,

D. H. Cuddy, Chairman and President
First National Bank Alaska
101 West 36th Avenue, Suite 333
Anchorage, AK 99510-0720

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Dear Legislators,

I am writing this letter in response to HB19. An extra hour of daylight at 2:00 a.m. is not nearly as useful as an extra hour after work in the evening. Considering the dark winters, summer is too short as it is and the extra daylight on good days allows picnics, fishing, yard work, boating and home maintenance. Southeast Alaska fought the Scheffield time change to no avail. Passage of this bill will harm us twice. This bill will adversely affect summers in Southeast Alaska every day. This is the worst kind of legislation and deserves to fail.

Robert Grant
PO Box 167
Wrangell, Alaska 99929

Rob Earl

From: Greg Pepperd [gregpepperd@davisconstructors.com]
Sent: Tuesday, March 10, 2009 12:49 PM
To: Rep. Bob Herron
Subject: HB 19

Honorable Mr. Herron:

Please support HB 19 to eliminate DST in Alaska as co-chairman of the Community & Regional Affairs committee. DST is not needed in Alaska as we already have sufficient light in the evenings. As a Mat Valley commuter to Anchorage, we were just starting to make that commute in daylight only to plunged back into darkness for another month. The same holds true for our school children as they wait for school buses. The bulk of the construction industry uses 7:00 am as a starting time and could use the added daylight in the morning as well. This also affects workers, school children and commuters in the fall with the same negative impact. Thank you for thoughtful consideration of this matter.

Sincerely, Greg Pepperd/Wasilla

Rob Earl

From: Henry Cole [steelehc@gmail.com]
Sent: Saturday, March 07, 2009 4:45 AM
To: Rep. Bob Herron; Rep. Cathy Munoz
Subject: AK HB19

Representatives Herron and Munoz,

I am writing to offer my strongest support for Bouse Bill 19, introduced by Rep. Fairclough.

Daylight Savings Time offers absolutely no benefit to the great majority of our State, as since the Alaska was once large enough to contain four time zones, moving the middle of the day an hour one way or another does little or nothing to change people's habits. Furthermore, at least, in Fairbanks and communities farther north, DST largely moves around hours of darkness.

It serves no purpose in Alaska and needs to be repealed!

I would appreciate your actions in favor of this bill.

Sincerely,
Henry Cole
Fairbanks

Terry Harvey

From: Rep. Cathy Munoz
Sent: Tuesday, March 10, 2009 9:17 AM
To: Terry Harvey
Subject: FW: DST-HB19

Terry, please add to file on bill. Cathy

-----Original Message-----

From: Jack Marshall [mailto:Marshall@alaska.net]
Sent: Tuesday, March 10, 2009 7:21 AM
To: Rep. Cathy Munoz
Subject: DST-HB19

Several years ago I argued against placing the state under one time zone. I still feel pretty strongly that that move was a mistake. I'd much rather see us split the western part of the state off into another time zone than to get rid of Daylight savings time. I can understand Anchorage and Fairbanks need to be in the same time zone as Juneau but beyond that I see no positive advantage to keep the rest of the state in the same time zone. If we drop daylight savings time we will hurt towns like Petersburg and Ketchikan that could really use the extra hour. With a state as large as ours trying to place everyone under the same time is just not workable. Personally, I don't like daylight savings time but unless Washington State drops daylight savings time, I think it would be best to leave things the way they are.
Jack Marshall

FISCAL NOTE

STATE OF ALASKA
2009 LEGISLATIVE SESSION

Fiscal Note Number: _____
Bill Version: HB 19
() Publish Date: _____

Identifier (file name): HB019-GOV-OMB-3-02-09
Title Exempting state from daylight savings time
Sponsor Rep. Fairclough
Requester House Community and Regional Affairs Committee
Dept. Affected: All
RDU _____
Component _____
Component Number _____

Expenditures/Revenues (Thousands of Dollars)

Note: Amounts do not include inflation unless otherwise noted below.

OPERATING EXPENDITURES	Appropriation Required	Information					
	FY 2010	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Personal Services							
Travel							
Contractual							
Supplies							
Equipment							
Land & Structures							
Grants & Claims							
Miscellaneous							
TOTAL OPERATING	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAPITAL EXPENDITURES							
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CHANGE IN REVENUES ()							
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FUND SOURCE (Thousands of Dollars)

1002 Federal Receipts							
1003 GF Match							
1004 GF							
1005 GF/Program Receipts							
1037 GF/Mental Health							
Other Interagency Receipts							
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Estimate of any current year (FY2009) cost: _____

POSITIONS

Full-time							
Part-time							
Temporary							

ANALYSIS: (Attach a separate page if necessary)

This legislation will not have a significant fiscal impact on any State agency.

Prepared by: Jack Kreinheder, Senior Analyst
Division: Office of Management and Budget
Approved by: Karen Rehfeld, Director
Office of Management and Budget

Phone 465-4676
Date/Time 3/2/09 11:45 AM
Date 3/2/2009

Chugach Electric Association, Inc.

Chugach Retail Substation Load

15 Minute Demand (kW) Data

DST - March 9, 2008 at 2:00 AM

Data for weekends prior to, during, and after DST.

Day of Week	Before DST 2/29/2008-3/03/2008		During DST 3/07/2008-3/10/2008		After DST 3/14/2008-03/17/2008	
	Date and Time	kW	Date and Time	kW	Date and Time	kW
Friday	2/29/2008 0:15	132,323	3/7/2008 0:15	128,550	3/14/2008 0:15	134,417
Friday	2/29/2008 0:30	130,006	3/7/2008 0:30	126,076	3/14/2008 0:30	131,762
Friday	2/29/2008 0:45	128,562	3/7/2008 0:45	124,387	3/14/2008 0:45	129,776
Friday	2/29/2008 1:00	127,064	3/7/2008 1:00	122,913	3/14/2008 1:00	128,001
Friday	2/29/2008 1:15	125,560	3/7/2008 1:15	121,543	3/14/2008 1:15	126,229
Friday	2/29/2008 1:30	124,219	3/7/2008 1:30	120,206	3/14/2008 1:30	125,135
Friday	2/29/2008 1:45	123,243	3/7/2008 1:45	118,609	3/14/2008 1:45	123,613
Friday	2/29/2008 2:00	122,710	3/7/2008 2:00	117,673	3/14/2008 2:00	122,985
Friday	2/29/2008 2:15	122,396	3/7/2008 2:15	117,121	3/14/2008 2:15	122,386
Friday	2/29/2008 2:30	122,326	3/7/2008 2:30	117,014	3/14/2008 2:30	121,788
Friday	2/29/2008 2:45	121,633	3/7/2008 2:45	116,385	3/14/2008 2:45	121,069
Friday	2/29/2008 3:00	121,043	3/7/2008 3:00	115,927	3/14/2008 3:00	120,684
Friday	2/29/2008 3:15	120,925	3/7/2008 3:15	115,467	3/14/2008 3:15	119,965
Friday	2/29/2008 3:30	120,750	3/7/2008 3:30	115,364	3/14/2008 3:30	119,820
Friday	2/29/2008 3:45	120,822	3/7/2008 3:45	115,033	3/14/2008 3:45	119,668
Friday	2/29/2008 4:00	120,393	3/7/2008 4:00	114,809	3/14/2008 4:00	119,683
Friday	2/29/2008 4:15	121,063	3/7/2008 4:15	115,688	3/14/2008 4:15	119,912
Friday	2/29/2008 4:30	122,070	3/7/2008 4:30	116,431	3/14/2008 4:30	120,000
Friday	2/29/2008 4:45	122,866	3/7/2008 4:45	117,403	3/14/2008 4:45	120,632
Friday	2/29/2008 5:00	124,042	3/7/2008 5:00	118,622	3/14/2008 5:00	121,562
Friday	2/29/2008 5:15	126,588	3/7/2008 5:15	120,537	3/14/2008 5:15	123,240
Friday	2/29/2008 5:30	128,871	3/7/2008 5:30	122,040	3/14/2008 5:30	125,254
Friday	2/29/2008 5:45	131,580	3/7/2008 5:45	124,115	3/14/2008 5:45	127,465
Friday	2/29/2008 6:00	134,956	3/7/2008 6:00	127,190	3/14/2008 6:00	129,479
Friday	2/29/2008 6:15	142,573	3/7/2008 6:15	132,721	3/14/2008 6:15	133,582
Friday	2/29/2008 6:30	148,004	3/7/2008 6:30	137,702	3/14/2008 6:30	137,471
Friday	2/29/2008 6:45	153,012	3/7/2008 6:45	141,346	3/14/2008 6:45	141,138
Friday	2/29/2008 7:00	158,020	3/7/2008 7:00	144,772	3/14/2008 7:00	145,774
Friday	2/29/2008 7:15	163,190	3/7/2008 7:15	149,861	3/14/2008 7:15	150,397
Friday	2/29/2008 7:30	166,751	3/7/2008 7:30	153,685	3/14/2008 7:30	153,620
Friday	2/29/2008 7:45	170,460	3/7/2008 7:45	156,656	3/14/2008 7:45	156,103
Friday	2/29/2008 8:00	169,878	3/7/2008 8:00	156,628	3/14/2008 8:00	157,961
Friday	2/29/2008 8:15	168,349	3/7/2008 8:15	157,521	3/14/2008 8:15	158,777
Friday	2/29/2008 8:30	167,580	3/7/2008 8:30	158,335	3/14/2008 8:30	157,064
Friday	2/29/2008 8:45	165,995	3/7/2008 8:45	158,896	3/14/2008 8:45	156,728
Friday	2/29/2008 9:00	164,788	3/7/2008 9:00	158,951	3/14/2008 9:00	156,105
Friday	2/29/2008 9:15	164,499	3/7/2008 9:15	158,635	3/14/2008 9:15	156,935
Friday	2/29/2008 9:30	164,472	3/7/2008 9:30	158,563	3/14/2008 9:30	157,183
Friday	2/29/2008 9:45	164,682	3/7/2008 9:45	159,639	3/14/2008 9:45	156,962
Friday	2/29/2008 10:00	164,276	3/7/2008 10:00	160,159	3/14/2008 10:00	157,283
Friday	2/29/2008 10:15	164,176	3/7/2008 10:15	161,605	3/14/2008 10:15	157,656
Friday	2/29/2008 10:30	164,107	3/7/2008 10:30	161,920	3/14/2008 10:30	157,978
Friday	2/29/2008 10:45	163,750	3/7/2008 10:45	162,771	3/14/2008 10:45	158,187
Friday	2/29/2008 11:00	164,019	3/7/2008 11:00	162,844	3/14/2008 11:00	157,951
Friday	2/29/2008 11:15	163,280	3/7/2008 11:15	163,286	3/14/2008 11:15	157,766
Friday	2/29/2008 11:30	162,616	3/7/2008 11:30	163,456	3/14/2008 11:30	157,674
Friday	2/29/2008 11:45	162,788	3/7/2008 11:45	163,897	3/14/2008 11:45	157,590
Friday	2/29/2008 12:00	162,623	3/7/2008 12:00	163,754	3/14/2008 12:00	157,203
Friday	2/29/2008 12:15	162,539	3/7/2008 12:15	163,758	3/14/2008 12:15	156,877
Friday	2/29/2008 12:30	162,199	3/7/2008 12:30	163,431	3/14/2008 12:30	156,168
Friday	2/29/2008 12:45	161,851	3/7/2008 12:45	162,963	3/14/2008 12:45	155,593
Friday	2/29/2008 13:00	161,551	3/7/2008 13:00	161,603	3/14/2008 13:00	154,997

Chugach Electric Association, Inc.
Chugach Retail Substation Load
15 Minute Demand (kW) Data
DST - March 9, 2008 at 2:00 AM
Data for weekends prior to, during, and after DST.

Day of Week	Before DST 2/29/2008-3/03/2008		During DST 3/07/2008-3/10/2008		After DST 3/14/2008-03/17/2008	
	Date and Time	kW	Date and Time	kW	Date and Time	kW
Friday	2/29/2008 13:15	161,399	3/7/2008 13:15	161,091	3/14/2008 13:15	154,450
Friday	2/29/2008 13:30	160,624	3/7/2008 13:30	160,699	3/14/2008 13:30	154,278
Friday	2/29/2008 13:45	160,120	3/7/2008 13:45	159,809	3/14/2008 13:45	153,710
Friday	2/29/2008 14:00	160,100	3/7/2008 14:00	159,150	3/14/2008 14:00	154,058
Friday	2/29/2008 14:15	160,014	3/7/2008 14:15	159,653	3/14/2008 14:15	153,171
Friday	2/29/2008 14:30	160,005	3/7/2008 14:30	159,647	3/14/2008 14:30	153,665
Friday	2/29/2008 14:45	160,230	3/7/2008 14:45	160,280	3/14/2008 14:45	153,354
Friday	2/29/2008 15:00	160,331	3/7/2008 15:00	159,907	3/14/2008 15:00	152,979
Friday	2/29/2008 15:15	159,794	3/7/2008 15:15	159,560	3/14/2008 15:15	152,576
Friday	2/29/2008 15:30	158,953	3/7/2008 15:30	159,999	3/14/2008 15:30	152,344
Friday	2/29/2008 15:45	158,770	3/7/2008 15:45	159,909	3/14/2008 15:45	152,200
Friday	2/29/2008 16:00	158,839	3/7/2008 16:00	159,660	3/14/2008 16:00	151,655
Friday	2/29/2008 16:15	159,591	3/7/2008 16:15	159,840	3/14/2008 16:15	150,758
Friday	2/29/2008 16:30	159,598	3/7/2008 16:30	159,674	3/14/2008 16:30	150,845
Friday	2/29/2008 16:45	159,811	3/7/2008 16:45	159,996	3/14/2008 16:45	150,655
Friday	2/29/2008 17:00	159,809	3/7/2008 17:00	160,342	3/14/2008 17:00	149,772
Friday	2/29/2008 17:15	159,325	3/7/2008 17:15	159,499	3/14/2008 17:15	148,712
Friday	2/29/2008 17:30	159,475	3/7/2008 17:30	159,421	3/14/2008 17:30	148,676
Friday	2/29/2008 17:45	161,055	3/7/2008 17:45	160,395	3/14/2008 17:45	148,735
Friday	2/29/2008 18:00	162,137	3/7/2008 18:00	161,233	3/14/2008 18:00	148,962
Friday	2/29/2008 18:15	163,638	3/7/2008 18:15	161,031	3/14/2008 18:15	149,040
Friday	2/29/2008 18:30	166,890	3/7/2008 18:30	162,433	3/14/2008 18:30	149,120
Friday	2/29/2008 18:45	171,686	3/7/2008 18:45	165,310	3/14/2008 18:45	149,931
Friday	2/29/2008 19:00	177,560	3/7/2008 19:00	168,482	3/14/2008 19:00	149,630
Friday	2/29/2008 19:15	178,775	3/7/2008 19:15	171,086	3/14/2008 19:15	149,758
Friday	2/29/2008 19:30	179,286	3/7/2008 19:30	171,545	3/14/2008 19:30	149,933
Friday	2/29/2008 19:45	179,331	3/7/2008 19:45	170,889	3/14/2008 19:45	150,711
Friday	2/29/2008 20:00	178,783	3/7/2008 20:00	170,165	3/14/2008 20:00	153,123
Friday	2/29/2008 20:15	178,080	3/7/2008 20:15	169,142	3/14/2008 20:15	157,001
Friday	2/29/2008 20:30	177,605	3/7/2008 20:30	168,190	3/14/2008 20:30	162,458
Friday	2/29/2008 20:45	176,477	3/7/2008 20:45	167,313	3/14/2008 20:45	165,199
Friday	2/29/2008 21:00	175,370	3/7/2008 21:00	165,842	3/14/2008 21:00	165,286
Friday	2/29/2008 21:15	173,390	3/7/2008 21:15	163,620	3/14/2008 21:15	164,937
Friday	2/29/2008 21:30	171,170	3/7/2008 21:30	161,842	3/14/2008 21:30	164,820
Friday	2/29/2008 21:45	169,398	3/7/2008 21:45	159,824	3/14/2008 21:45	163,225
Friday	2/29/2008 22:00	167,172	3/7/2008 22:00	157,926	3/14/2008 22:00	161,537
Friday	2/29/2008 22:15	164,754	3/7/2008 22:15	155,579	3/14/2008 22:15	159,514
Friday	2/29/2008 22:30	162,332	3/7/2008 22:30	153,684	3/14/2008 22:30	156,965
Friday	2/29/2008 22:45	159,379	3/7/2008 22:45	150,327	3/14/2008 22:45	154,326
Friday	2/29/2008 23:00	156,189	3/7/2008 23:00	146,832	3/14/2008 23:00	151,581
Friday	2/29/2008 23:15	151,454	3/7/2008 23:15	143,764	3/14/2008 23:15	148,141
Friday	2/29/2008 23:30	148,749	3/7/2008 23:30	140,479	3/14/2008 23:30	145,388
Friday	2/29/2008 23:45	146,046	3/7/2008 23:45	137,853	3/14/2008 23:45	142,339
Saturday	3/1/2008 0:00	143,436	3/8/2008 0:00	134,960	3/15/2008 0:00	139,271
Saturday	3/1/2008 0:15	140,403	3/8/2008 0:15	131,745	3/15/2008 0:15	136,464
Saturday	3/1/2008 0:30	138,015	3/8/2008 0:30	129,542	3/15/2008 0:30	134,215
Saturday	3/1/2008 0:45	135,965	3/8/2008 0:45	127,760	3/15/2008 0:45	132,033
Saturday	3/1/2008 1:00	134,214	3/8/2008 1:00	126,154	3/15/2008 1:00	129,958
Saturday	3/1/2008 1:15	131,932	3/8/2008 1:15	123,871	3/15/2008 1:15	128,090
Saturday	3/1/2008 1:30	130,390	3/8/2008 1:30	122,534	3/15/2008 1:30	126,747
Saturday	3/1/2008 1:45	129,073	3/8/2008 1:45	121,269	3/15/2008 1:45	125,372
Saturday	3/1/2008 2:00	128,025	3/8/2008 2:00	120,398	3/15/2008 2:00	124,213

Chugach Electric Association, Inc.
Chugach Retail Substation Load
15 Minute Demand (kW) Data
DST - March 9, 2008 at 2:00 AM
Data for weekends prior to, during, and after DST.

Day of Week	Before DST 2/29/2008-3/03/2008		During DST 3/07/2008-3/10/2008		After DST 3/14/2008-03/17/2008	
	Date and Time	kW	Date and Time	kW	Date and Time	kW
Saturday	3/1/2008 2:15	127,368	3/8/2008 2:15	119,440	3/15/2008 2:15	122,989
Saturday	3/1/2008 2:30	126,895	3/8/2008 2:30	118,398	3/15/2008 2:30	122,205
Saturday	3/1/2008 2:45	126,453	3/8/2008 2:45	118,069	3/15/2008 2:45	121,438
Saturday	3/1/2008 3:00	126,208	3/8/2008 3:00	117,622	3/15/2008 3:00	120,765
Saturday	3/1/2008 3:15	125,406	3/8/2008 3:15	117,170	3/15/2008 3:15	120,174
Saturday	3/1/2008 3:30	125,108	3/8/2008 3:30	116,728	3/15/2008 3:30	120,003
Saturday	3/1/2008 3:45	124,628	3/8/2008 3:45	116,240	3/15/2008 3:45	119,443
Saturday	3/1/2008 4:00	124,620	3/8/2008 4:00	115,570	3/15/2008 4:00	119,343
Saturday	3/1/2008 4:15	125,056	3/8/2008 4:15	115,791	3/15/2008 4:15	119,424
Saturday	3/1/2008 4:30	125,204	3/8/2008 4:30	115,718	3/15/2008 4:30	119,395
Saturday	3/1/2008 4:45	125,145	3/8/2008 4:45	116,105	3/15/2008 4:45	119,642
Saturday	3/1/2008 5:00	125,549	3/8/2008 5:00	116,421	3/15/2008 5:00	119,638
Saturday	3/1/2008 5:15	126,687	3/8/2008 5:15	117,376	3/15/2008 5:15	120,373
Saturday	3/1/2008 5:30	127,623	3/8/2008 5:30	117,801	3/15/2008 5:30	121,238
Saturday	3/1/2008 5:45	128,444	3/8/2008 5:45	118,470	3/15/2008 5:45	121,833
Saturday	3/1/2008 6:00	129,351	3/8/2008 6:00	119,466	3/15/2008 6:00	122,771
Saturday	3/1/2008 6:15	132,289	3/8/2008 6:15	122,568	3/15/2008 6:15	124,715
Saturday	3/1/2008 6:30	134,185	3/8/2008 6:30	123,584	3/15/2008 6:30	126,030
Saturday	3/1/2008 6:45	135,342	3/8/2008 6:45	125,009	3/15/2008 6:45	128,010
Saturday	3/1/2008 7:00	137,247	3/8/2008 7:00	127,387	3/15/2008 7:00	129,208
Saturday	3/1/2008 7:15	140,465	3/8/2008 7:15	130,388	3/15/2008 7:15	132,251
Saturday	3/1/2008 7:30	143,399	3/8/2008 7:30	130,479	3/15/2008 7:30	134,464
Saturday	3/1/2008 7:45	146,661	3/8/2008 7:45	129,705	3/15/2008 7:45	136,948
Saturday	3/1/2008 8:00	149,173	3/8/2008 8:00	130,637	3/15/2008 8:00	139,302
Saturday	3/1/2008 8:15	150,509	3/8/2008 8:15	132,576	3/15/2008 8:15	141,218
Saturday	3/1/2008 8:30	151,228	3/8/2008 8:30	134,540	3/15/2008 8:30	141,441
Saturday	3/1/2008 8:45	152,230	3/8/2008 8:45	136,745	3/15/2008 8:45	142,236
Saturday	3/1/2008 9:00	154,123	3/8/2008 9:00	138,812	3/15/2008 9:00	144,609
Saturday	3/1/2008 9:15	155,647	3/8/2008 9:15	141,135	3/15/2008 9:15	146,614
Saturday	3/1/2008 9:30	156,590	3/8/2008 9:30	143,715	3/15/2008 9:30	148,350
Saturday	3/1/2008 9:45	158,671	3/8/2008 9:45	145,773	3/15/2008 9:45	149,449
Saturday	3/1/2008 10:00	159,559	3/8/2008 10:00	147,400	3/15/2008 10:00	151,166
Saturday	3/1/2008 10:15	159,827	3/8/2008 10:15	148,473	3/15/2008 10:15	153,218
Saturday	3/1/2008 10:30	160,062	3/8/2008 10:30	149,267	3/15/2008 10:30	154,209
Saturday	3/1/2008 10:45	160,750	3/8/2008 10:45	149,598	3/15/2008 10:45	154,763
Saturday	3/1/2008 11:00	160,253	3/8/2008 11:00	151,028	3/15/2008 11:00	155,673
Saturday	3/1/2008 11:15	159,924	3/8/2008 11:15	152,042	3/15/2008 11:15	156,607
Saturday	3/1/2008 11:30	159,927	3/8/2008 11:30	152,244	3/15/2008 11:30	156,705
Saturday	3/1/2008 11:45	159,475	3/8/2008 11:45	152,063	3/15/2008 11:45	156,917
Saturday	3/1/2008 12:00	159,472	3/8/2008 12:00	151,871	3/15/2008 12:00	156,731
Saturday	3/1/2008 12:15	159,459	3/8/2008 12:15	151,373	3/15/2008 12:15	156,265
Saturday	3/1/2008 12:30	158,718	3/8/2008 12:30	151,603	3/15/2008 12:30	155,882
Saturday	3/1/2008 12:45	158,074	3/8/2008 12:45	151,868	3/15/2008 12:45	155,086
Saturday	3/1/2008 13:00	158,149	3/8/2008 13:00	151,355	3/15/2008 13:00	154,418
Saturday	3/1/2008 13:15	157,872	3/8/2008 13:15	151,023	3/15/2008 13:15	154,063
Saturday	3/1/2008 13:30	157,169	3/8/2008 13:30	150,739	3/15/2008 13:30	154,151
Saturday	3/1/2008 13:45	156,379	3/8/2008 13:45	150,259	3/15/2008 13:45	153,838
Saturday	3/1/2008 14:00	155,942	3/8/2008 14:00	149,615	3/15/2008 14:00	153,561
Saturday	3/1/2008 14:15	155,733	3/8/2008 14:15	149,886	3/15/2008 14:15	153,281
Saturday	3/1/2008 14:30	155,576	3/8/2008 14:30	150,022	3/15/2008 14:30	152,151
Saturday	3/1/2008 14:45	154,889	3/8/2008 14:45	150,058	3/15/2008 14:45	151,626
Saturday	3/1/2008 15:00	155,379	3/8/2008 15:00	149,900	3/15/2008 15:00	151,210

Chugach Electric Association, Inc.
 Chugach Retail Substation Load
 15 Minute Demand (kW) Data
 DST - March 9, 2008 at 2:00 AM
 Data for weekends prior to, during, and after DST.

Day of Week	Before DST 2/29/2008-3/03/2008		During DST 3/07/2008-3/10/2008		After DST 3/14/2008-03/17/2008	
	Date and Time	kW	Date and Time	kW	Date and Time	kW
Saturday	3/1/2008 15:15	156,173	3/8/2008 15:15	149,865	3/15/2008 15:15	151,923
Saturday	3/1/2008 15:30	157,110	3/8/2008 15:30	150,101	3/15/2008 15:30	151,671
Saturday	3/1/2008 15:45	158,406	3/8/2008 15:45	151,047	3/15/2008 15:45	151,756
Saturday	3/1/2008 16:00	158,044	3/8/2008 16:00	151,317	3/15/2008 16:00	151,776
Saturday	3/1/2008 16:15	159,542	3/8/2008 16:15	151,889	3/15/2008 16:15	151,352
Saturday	3/1/2008 16:30	160,296	3/8/2008 16:30	153,041	3/15/2008 16:30	151,345
Saturday	3/1/2008 16:45	161,640	3/8/2008 16:45	154,075	3/15/2008 16:45	151,555
Saturday	3/1/2008 17:00	162,179	3/8/2008 17:00	154,482	3/15/2008 17:00	151,299
Saturday	3/1/2008 17:15	162,897	3/8/2008 17:15	155,237	3/15/2008 17:15	151,566
Saturday	3/1/2008 17:30	164,875	3/8/2008 17:30	156,418	3/15/2008 17:30	152,347
Saturday	3/1/2008 17:45	165,611	3/8/2008 17:45	157,403	3/15/2008 17:45	152,251
Saturday	3/1/2008 18:00	167,419	3/8/2008 18:00	157,380	3/15/2008 18:00	151,465
Saturday	3/1/2008 18:15	169,875	3/8/2008 18:15	159,185	3/15/2008 18:15	151,138
Saturday	3/1/2008 18:30	172,297	3/8/2008 18:30	160,992	3/15/2008 18:30	151,245
Saturday	3/1/2008 18:45	177,459	3/8/2008 18:45	163,679	3/15/2008 18:45	150,712
Saturday	3/1/2008 19:00	182,093	3/8/2008 19:00	167,506	3/15/2008 19:00	150,354
Saturday	3/1/2008 19:15	183,466	3/8/2008 19:15	170,582	3/15/2008 19:15	151,182
Saturday	3/1/2008 19:30	183,318	3/8/2008 19:30	170,948	3/15/2008 19:30	152,026
Saturday	3/1/2008 19:45	182,879	3/8/2008 19:45	170,253	3/15/2008 19:45	153,513
Saturday	3/1/2008 20:00	181,893	3/8/2008 20:00	169,273	3/15/2008 20:00	155,821
Saturday	3/1/2008 20:15	180,612	3/8/2008 20:15	168,061	3/15/2008 20:15	158,906
Saturday	3/1/2008 20:30	179,600	3/8/2008 20:30	167,197	3/15/2008 20:30	163,376
Saturday	3/1/2008 20:45	178,129	3/8/2008 20:45	165,895	3/15/2008 20:45	165,934
Saturday	3/1/2008 21:00	176,684	3/8/2008 21:00	164,513	3/15/2008 21:00	165,775
Saturday	3/1/2008 21:15	174,522	3/8/2008 21:15	162,780	3/15/2008 21:15	164,880
Saturday	3/1/2008 21:30	173,290	3/8/2008 21:30	160,651	3/15/2008 21:30	164,427
Saturday	3/1/2008 21:45	171,218	3/8/2008 21:45	158,705	3/15/2008 21:45	162,972
Saturday	3/1/2008 22:00	168,788	3/8/2008 22:00	156,684	3/15/2008 22:00	160,737
Saturday	3/1/2008 22:15	165,810	3/8/2008 22:15	154,151	3/15/2008 22:15	158,407
Saturday	3/1/2008 22:30	163,340	3/8/2008 22:30	151,927	3/15/2008 22:30	156,175
Saturday	3/1/2008 22:45	159,787	3/8/2008 22:45	149,458	3/15/2008 22:45	153,601
Saturday	3/1/2008 23:00	155,977	3/8/2008 23:00	146,096	3/15/2008 23:00	150,008
Saturday	3/1/2008 23:15	152,739	3/8/2008 23:15	141,799	3/15/2008 23:15	146,715
Saturday	3/1/2008 23:30	149,893	3/8/2008 23:30	138,866	3/15/2008 23:30	143,556
Saturday	3/1/2008 23:45	146,938	3/8/2008 23:45	135,658	3/15/2008 23:45	141,190
Sunday	3/2/2008 0:00	144,261	3/9/2008 0:00	133,611	3/16/2008 0:00	138,938
Sunday	3/2/2008 0:15	141,436	3/9/2008 0:15	130,874	3/16/2008 0:15	135,822
Sunday	3/2/2008 0:30	138,987	3/9/2008 0:30	128,515	3/16/2008 0:30	133,014
Sunday	3/2/2008 0:45	136,590	3/9/2008 0:45	126,724	3/16/2008 0:45	131,260
Sunday	3/2/2008 1:00	134,859	3/9/2008 1:00	124,677	3/16/2008 1:00	129,152
Sunday	3/2/2008 1:15	132,462	3/9/2008 1:15	122,903	3/16/2008 1:15	127,338
Sunday	3/2/2008 1:30	131,446	3/9/2008 1:30	121,375	3/16/2008 1:30	125,505
Sunday	3/2/2008 1:45	129,764	3/9/2008 1:45	119,861	3/16/2008 1:45	123,750
Sunday	3/2/2008 2:00	128,743	3/9/2008 2:00	DST	3/16/2008 2:00	122,639
Sunday	3/2/2008 2:15	127,685	3/9/2008 2:15	DST	3/16/2008 2:15	121,715
Sunday	3/2/2008 2:30	127,142	3/9/2008 2:30	DST	3/16/2008 2:30	121,134
Sunday	3/2/2008 2:45	126,585	3/9/2008 2:45	DST	3/16/2008 2:45	120,080
Sunday	3/2/2008 3:00	125,748	3/9/2008 3:00	112,570	3/16/2008 3:00	118,932
Sunday	3/2/2008 3:15	124,491	3/9/2008 3:15	111,695	3/16/2008 3:15	118,480
Sunday	3/2/2008 3:30	123,824	3/9/2008 3:30	111,339	3/16/2008 3:30	118,268
Sunday	3/2/2008 3:45	123,783	3/9/2008 3:45	110,667	3/16/2008 3:45	118,040
Sunday	3/2/2008 4:00	123,965	3/9/2008 4:00	116,120	3/16/2008 4:00	117,461

Chugach Electric Association, Inc.
Chugach Retail Substation Load
15 Minute Demand (kW) Data
DST - March 9, 2008 at 2:00 AM
 Data for weekends prior to, during, and after DST.

Day of Week	Before DST 2/29/2008-3/03/2008		During DST 3/07/2008-3/10/2008		After DST 3/14/2008-03/17/2008	
	Date and Time	kW	Date and Time	kW	Date and Time	kW
Sunday	3/2/2008 4:15	123,827	3/9/2008 4:15	115,992	3/16/2008 4:15	117,123
Sunday	3/2/2008 4:30	123,451	3/9/2008 4:30	115,138	3/16/2008 4:30	117,075
Sunday	3/2/2008 4:45	123,776	3/9/2008 4:45	114,921	3/16/2008 4:45	116,934
Sunday	3/2/2008 5:00	123,736	3/9/2008 5:00	114,597	3/16/2008 5:00	117,239
Sunday	3/2/2008 5:15	124,709	3/9/2008 5:15	115,356	3/16/2008 5:15	117,801
Sunday	3/2/2008 5:30	125,272	3/9/2008 5:30	115,344	3/16/2008 5:30	118,178
Sunday	3/2/2008 5:45	126,192	3/9/2008 5:45	115,265	3/16/2008 5:45	119,079
Sunday	3/2/2008 6:00	127,253	3/9/2008 6:00	115,683	3/16/2008 6:00	118,938
Sunday	3/2/2008 6:15	129,354	3/9/2008 6:15	117,108	3/16/2008 6:15	120,183
Sunday	3/2/2008 6:30	131,014	3/9/2008 6:30	118,172	3/16/2008 6:30	121,345
Sunday	3/2/2008 6:45	132,519	3/9/2008 6:45	119,226	3/16/2008 6:45	122,814
Sunday	3/2/2008 7:00	134,636	3/9/2008 7:00	119,799	3/16/2008 7:00	124,384
Sunday	3/2/2008 7:15	137,122	3/9/2008 7:15	121,611	3/16/2008 7:15	126,727
Sunday	3/2/2008 7:30	138,826	3/9/2008 7:30	124,032	3/16/2008 7:30	129,032
Sunday	3/2/2008 7:45	140,385	3/9/2008 7:45	125,907	3/16/2008 7:45	132,125
Sunday	3/2/2008 8:00	139,814	3/9/2008 8:00	128,005	3/16/2008 8:00	133,785
Sunday	3/2/2008 8:15	141,375	3/9/2008 8:15	130,779	3/16/2008 8:15	133,678
Sunday	3/2/2008 8:30	143,085	3/9/2008 8:30	132,123	3/16/2008 8:30	133,945
Sunday	3/2/2008 8:45	144,788	3/9/2008 8:45	132,854	3/16/2008 8:45	134,449
Sunday	3/2/2008 9:00	146,191	3/9/2008 9:00	132,873	3/16/2008 9:00	135,588
Sunday	3/2/2008 9:15	148,458	3/9/2008 9:15	133,630	3/16/2008 9:15	137,339
Sunday	3/2/2008 9:30	149,839	3/9/2008 9:30	134,552	3/16/2008 9:30	138,602
Sunday	3/2/2008 9:45	151,602	3/9/2008 9:45	135,683	3/16/2008 9:45	139,337
Sunday	3/2/2008 10:00	152,709	3/9/2008 10:00	137,071	3/16/2008 10:00	140,843
Sunday	3/2/2008 10:15	153,907	3/9/2008 10:15	139,017	3/16/2008 10:15	143,889
Sunday	3/2/2008 10:30	154,797	3/9/2008 10:30	140,675	3/16/2008 10:30	144,905
Sunday	3/2/2008 10:45	154,860	3/9/2008 10:45	143,000	3/16/2008 10:45	145,518
Sunday	3/2/2008 11:00	154,553	3/9/2008 11:00	143,928	3/16/2008 11:00	146,218
Sunday	3/2/2008 11:15	155,398	3/9/2008 11:15	144,184	3/16/2008 11:15	146,784
Sunday	3/2/2008 11:30	155,638	3/9/2008 11:30	145,075	3/16/2008 11:30	147,626
Sunday	3/2/2008 11:45	155,760	3/9/2008 11:45	146,334	3/16/2008 11:45	148,684
Sunday	3/2/2008 12:00	155,825	3/9/2008 12:00	147,081	3/16/2008 12:00	148,755
Sunday	3/2/2008 12:15	156,038	3/9/2008 12:15	147,595	3/16/2008 12:15	149,283
Sunday	3/2/2008 12:30	155,737	3/9/2008 12:30	148,480	3/16/2008 12:30	149,786
Sunday	3/2/2008 12:45	154,762	3/9/2008 12:45	148,706	3/16/2008 12:45	149,015
Sunday	3/2/2008 13:00	154,168	3/9/2008 13:00	148,924	3/16/2008 13:00	149,323
Sunday	3/2/2008 13:15	153,772	3/9/2008 13:15	148,518	3/16/2008 13:15	149,089
Sunday	3/2/2008 13:30	153,671	3/9/2008 13:30	148,694	3/16/2008 13:30	148,498
Sunday	3/2/2008 13:45	154,483	3/9/2008 13:45	148,865	3/16/2008 13:45	148,998
Sunday	3/2/2008 14:00	153,807	3/9/2008 14:00	148,490	3/16/2008 14:00	148,696
Sunday	3/2/2008 14:15	153,479	3/9/2008 14:15	147,873	3/16/2008 14:15	148,692
Sunday	3/2/2008 14:30	154,060	3/9/2008 14:30	147,411	3/16/2008 14:30	148,369
Sunday	3/2/2008 14:45	154,423	3/9/2008 14:45	147,194	3/16/2008 14:45	147,608
Sunday	3/2/2008 15:00	154,057	3/9/2008 15:00	146,520	3/16/2008 15:00	147,624
Sunday	3/2/2008 15:15	153,835	3/9/2008 15:15	146,726	3/16/2008 15:15	147,238
Sunday	3/2/2008 15:30	152,925	3/9/2008 15:30	146,364	3/16/2008 15:30	146,903
Sunday	3/2/2008 15:45	152,869	3/9/2008 15:45	146,144	3/16/2008 15:45	146,697
Sunday	3/2/2008 16:00	153,314	3/9/2008 16:00	144,946	3/16/2008 16:00	146,943
Sunday	3/2/2008 16:15	154,760	3/9/2008 16:15	144,696	3/16/2008 16:15	147,266
Sunday	3/2/2008 16:30	155,827	3/9/2008 16:30	145,183	3/16/2008 16:30	146,997
Sunday	3/2/2008 16:45	157,779	3/9/2008 16:45	145,832	3/16/2008 16:45	147,169
Sunday	3/2/2008 17:00	158,908	3/9/2008 17:00	146,565	3/16/2008 17:00	147,495

Chugach Electric Association, Inc.
Chugach Retail Substation Load
15 Minute Demand (kW) Data
DST - March 9, 2008 at 2:00 AM
Data for weekends prior to, during, and after DST.

Day of Week	Before DST 2/29/2008-3/03/2008		During DST 3/07/2008-3/10/2008		After DST 3/14/2008-03/17/2008	
	Date and Time	kW	Date and Time	kW	Date and Time	kW
Sunday	3/2/2008 17:15	160,211	3/9/2008 17:15	147,640	3/16/2008 17:15	148,571
Sunday	3/2/2008 17:30	161,441	3/9/2008 17:30	148,255	3/16/2008 17:30	148,833
Sunday	3/2/2008 17:45	163,671	3/9/2008 17:45	149,445	3/16/2008 17:45	149,297
Sunday	3/2/2008 18:00	165,859	3/9/2008 18:00	149,987	3/16/2008 18:00	149,629
Sunday	3/2/2008 18:15	168,455	3/9/2008 18:15	150,297	3/16/2008 18:15	150,200
Sunday	3/2/2008 18:30	170,965	3/9/2008 18:30	150,446	3/16/2008 18:30	150,337
Sunday	3/2/2008 18:45	175,896	3/9/2008 18:45	150,815	3/16/2008 18:45	150,404
Sunday	3/2/2008 19:00	181,199	3/9/2008 19:00	151,429	3/16/2008 19:00	150,546
Sunday	3/2/2008 19:15	184,498	3/9/2008 19:15	153,148	3/16/2008 19:15	151,230
Sunday	3/2/2008 19:30	185,634	3/9/2008 19:30	155,605	3/16/2008 19:30	152,673
Sunday	3/2/2008 19:45	185,387	3/9/2008 19:45	157,726	3/16/2008 19:45	154,702
Sunday	3/2/2008 20:00	184,362	3/9/2008 20:00	161,784	3/16/2008 20:00	156,336
Sunday	3/2/2008 20:15	183,363	3/9/2008 20:15	167,594	3/16/2008 20:15	159,961
Sunday	3/2/2008 20:30	182,502	3/9/2008 20:30	170,241	3/16/2008 20:30	165,966
Sunday	3/2/2008 20:45	180,301	3/9/2008 20:45	169,865	3/16/2008 20:45	170,221
Sunday	3/2/2008 21:00	178,012	3/9/2008 21:00	169,072	3/16/2008 21:00	170,939
Sunday	3/2/2008 21:15	175,741	3/9/2008 21:15	168,181	3/16/2008 21:15	170,252
Sunday	3/2/2008 21:30	172,646	3/9/2008 21:30	166,865	3/16/2008 21:30	169,674
Sunday	3/2/2008 21:45	169,774	3/9/2008 21:45	165,253	3/16/2008 21:45	167,459
Sunday	3/2/2008 22:00	166,616	3/9/2008 22:00	162,835	3/16/2008 22:00	164,782
Sunday	3/2/2008 22:15	162,916	3/9/2008 22:15	160,349	3/16/2008 22:15	161,626
Sunday	3/2/2008 22:30	159,139	3/9/2008 22:30	156,743	3/16/2008 22:30	157,938
Sunday	3/2/2008 22:45	154,345	3/9/2008 22:45	152,053	3/16/2008 22:45	153,148
Sunday	3/2/2008 23:00	150,282	3/9/2008 23:00	149,163	3/16/2008 23:00	148,975
Sunday	3/2/2008 23:15	145,014	3/9/2008 23:15	144,519	3/16/2008 23:15	143,847
Sunday	3/2/2008 23:30	141,053	3/9/2008 23:30	140,321	3/16/2008 23:30	139,470
Sunday	3/2/2008 23:45	137,822	3/9/2008 23:45	136,933	3/16/2008 23:45	136,413
Monday	3/3/2008 0:00	135,093	3/10/2008 0:00	134,565	3/17/2008 0:00	133,520
Monday	3/3/2008 0:15	132,464	3/10/2008 0:15	131,243	3/17/2008 0:15	130,576
Monday	3/3/2008 0:30	129,299	3/10/2008 0:30	128,396	3/17/2008 0:30	127,532
Monday	3/3/2008 0:45	127,239	3/10/2008 0:45	126,333	3/17/2008 0:45	125,965
Monday	3/3/2008 1:00	126,007	3/10/2008 1:00	124,290	3/17/2008 1:00	124,102
Monday	3/3/2008 1:15	124,745	3/10/2008 1:15	122,792	3/17/2008 1:15	122,320
Monday	3/3/2008 1:30	123,593	3/10/2008 1:30	121,331	3/17/2008 1:30	121,177
Monday	3/3/2008 1:45	122,461	3/10/2008 1:45	119,773	3/17/2008 1:45	120,296
Monday	3/3/2008 2:00	121,548	3/10/2008 2:00	118,667	3/17/2008 2:00	119,590
Monday	3/3/2008 2:15	121,127	3/10/2008 2:15	117,871	3/17/2008 2:15	118,682
Monday	3/3/2008 2:30	121,077	3/10/2008 2:30	117,101	3/17/2008 2:30	117,450
Monday	3/3/2008 2:45	120,399	3/10/2008 2:45	116,303	3/17/2008 2:45	116,786
Monday	3/3/2008 3:00	120,164	3/10/2008 3:00	115,389	3/17/2008 3:00	116,121
Monday	3/3/2008 3:15	120,205	3/10/2008 3:15	114,761	3/17/2008 3:15	115,799
Monday	3/3/2008 3:30	119,995	3/10/2008 3:30	114,348	3/17/2008 3:30	116,171
Monday	3/3/2008 3:45	120,323	3/10/2008 3:45	114,428	3/17/2008 3:45	116,126
Monday	3/3/2008 4:00	120,322	3/10/2008 4:00	114,279	3/17/2008 4:00	116,017
Monday	3/3/2008 4:15	121,225	3/10/2008 4:15	114,457	3/17/2008 4:15	116,990
Monday	3/3/2008 4:30	122,200	3/10/2008 4:30	114,644	3/17/2008 4:30	117,655
Monday	3/3/2008 4:45	123,213	3/10/2008 4:45	115,345	3/17/2008 4:45	118,239
Monday	3/3/2008 5:00	124,273	3/10/2008 5:00	116,219	3/17/2008 5:00	119,053
Monday	3/3/2008 5:15	126,970	3/10/2008 5:15	117,935	3/17/2008 5:15	122,122
Monday	3/3/2008 5:30	130,024	3/10/2008 5:30	119,720	3/17/2008 5:30	124,980
Monday	3/3/2008 5:45	133,297	3/10/2008 5:45	121,073	3/17/2008 5:45	127,876
Monday	3/3/2008 6:00	136,305	3/10/2008 6:00	123,914	3/17/2008 6:00	131,297

Chugach Electric Association, Inc.
 Chugach Retail Substation Load
 15 Minute Demand (kW) Data
 DST - March 9, 2008 at 2:00 AM
 Data for weekends prior to, during, and after DST.

Day of Week	Before DST 2/29/2008-3/03/2008		During DST 3/07/2008-3/10/2008		After DST 3/14/2008-03/17/2008	
	Date and Time	kW	Date and Time	kW	Date and Time	kW
Monday	3/3/2008 6:15	142,982	3/10/2008 6:15	128,402	3/17/2008 6:15	137,320
Monday	3/3/2008 6:30	149,592	3/10/2008 6:30	132,816	3/17/2008 6:30	143,595
Monday	3/3/2008 6:45	153,968	3/10/2008 6:45	136,672	3/17/2008 6:45	148,435
Monday	3/3/2008 7:00	158,519	3/10/2008 7:00	139,979	3/17/2008 7:00	154,054
Monday	3/3/2008 7:15	163,598	3/10/2008 7:15	144,388	3/17/2008 7:15	159,283
Monday	3/3/2008 7:30	166,620	3/10/2008 7:30	148,544	3/17/2008 7:30	163,570
Monday	3/3/2008 7:45	166,814	3/10/2008 7:45	150,807	3/17/2008 7:45	167,212
Monday	3/3/2008 8:00	164,465	3/10/2008 8:00	152,109	3/17/2008 8:00	166,690
Monday	3/3/2008 8:15	164,071	3/10/2008 8:15	154,873	3/17/2008 8:15	165,288
Monday	3/3/2008 8:30	163,029	3/10/2008 8:30	155,893	3/17/2008 8:30	163,790
Monday	3/3/2008 8:45	161,096	3/10/2008 8:45	154,395	3/17/2008 8:45	161,446
Monday	3/3/2008 9:00	159,882	3/10/2008 9:00	153,059	3/17/2008 9:00	159,305
Monday	3/3/2008 9:15	159,208	3/10/2008 9:15	152,441	3/17/2008 9:15	158,425
Monday	3/3/2008 9:30	159,382	3/10/2008 9:30	151,808	3/17/2008 9:30	158,906
Monday	3/3/2008 9:45	159,851	3/10/2008 9:45	152,041	3/17/2008 9:45	157,840
Monday	3/3/2008 10:00	159,817	3/10/2008 10:00	151,008	3/17/2008 10:00	157,982
Monday	3/3/2008 10:15	160,421	3/10/2008 10:15	152,018	3/17/2008 10:15	158,380
Monday	3/3/2008 10:30	160,702	3/10/2008 10:30	152,202	3/17/2008 10:30	158,510
Monday	3/3/2008 10:45	161,065	3/10/2008 10:45	152,499	3/17/2008 10:45	158,063
Monday	3/3/2008 11:00	161,656	3/10/2008 11:00	152,582	3/17/2008 11:00	158,081
Monday	3/3/2008 11:15	161,442	3/10/2008 11:15	152,629	3/17/2008 11:15	157,388
Monday	3/3/2008 11:30	161,930	3/10/2008 11:30	152,457	3/17/2008 11:30	157,359
Monday	3/3/2008 11:45	162,337	3/10/2008 11:45	152,832	3/17/2008 11:45	157,117
Monday	3/3/2008 12:00	161,881	3/10/2008 12:00	152,647	3/17/2008 12:00	156,462
Monday	3/3/2008 12:15	162,049	3/10/2008 12:15	152,511	3/17/2008 12:15	156,358
Monday	3/3/2008 12:30	161,892	3/10/2008 12:30	152,425	3/17/2008 12:30	155,994
Monday	3/3/2008 12:45	162,129	3/10/2008 12:45	152,755	3/17/2008 12:45	155,468
Monday	3/3/2008 13:00	161,464	3/10/2008 13:00	152,063	3/17/2008 13:00	154,873
Monday	3/3/2008 13:15	161,306	3/10/2008 13:15	151,493	3/17/2008 13:15	154,737
Monday	3/3/2008 13:30	161,120	3/10/2008 13:30	151,317	3/17/2008 13:30	154,806
Monday	3/3/2008 13:45	161,293	3/10/2008 13:45	151,579	3/17/2008 13:45	154,653
Monday	3/3/2008 14:00	160,926	3/10/2008 14:00	151,039	3/17/2008 14:00	153,926
Monday	3/3/2008 14:15	160,960	3/10/2008 14:15	150,384	3/17/2008 14:15	153,648
Monday	3/3/2008 14:30	161,823	3/10/2008 14:30	150,623	3/17/2008 14:30	153,746
Monday	3/3/2008 14:45	163,258	3/10/2008 14:45	150,338	3/17/2008 14:45	153,751
Monday	3/3/2008 15:00	163,516	3/10/2008 15:00	149,950	3/17/2008 15:00	154,171
Monday	3/3/2008 15:15	163,775	3/10/2008 15:15	149,420	3/17/2008 15:15	154,303
Monday	3/3/2008 15:30	163,797	3/10/2008 15:30	149,713	3/17/2008 15:30	153,845
Monday	3/3/2008 15:45	163,682	3/10/2008 15:45	149,678	3/17/2008 15:45	153,395
Monday	3/3/2008 16:00	164,003	3/10/2008 16:00	149,636	3/17/2008 16:00	153,710
Monday	3/3/2008 16:15	164,198	3/10/2008 16:15	148,753	3/17/2008 16:15	153,775
Monday	3/3/2008 16:30	164,501	3/10/2008 16:30	148,642	3/17/2008 16:30	152,406
Monday	3/3/2008 16:45	164,981	3/10/2008 16:45	149,199	3/17/2008 16:45	152,060
Monday	3/3/2008 17:00	165,721	3/10/2008 17:00	148,612	3/17/2008 17:00	152,132
Monday	3/3/2008 17:15	166,105	3/10/2008 17:15	147,497	3/17/2008 17:15	151,912
Monday	3/3/2008 17:30	167,102	3/10/2008 17:30	147,900	3/17/2008 17:30	152,134
Monday	3/3/2008 17:45	169,164	3/10/2008 17:45	148,746	3/17/2008 17:45	152,405
Monday	3/3/2008 18:00	172,052	3/10/2008 18:00	148,425	3/17/2008 18:00	152,742
Monday	3/3/2008 18:15	173,638	3/10/2008 18:15	148,398	3/17/2008 18:15	151,973
Monday	3/3/2008 18:30	175,365	3/10/2008 18:30	148,474	3/17/2008 18:30	151,239
Monday	3/3/2008 18:45	178,676	3/10/2008 18:45	148,724	3/17/2008 18:45	150,604
Monday	3/3/2008 19:00	184,039	3/10/2008 19:00	149,330	3/17/2008 19:00	150,598

Chugach Electric Association, Inc.
 Chugach Retail Substation Load
 15 Minute Demand (kW) Data
 DST - March 9, 2008 at 2:00 AM
 Data for weekends prior to, during, and after DST.

Day of Week	Before DST 2/29/2008-3/03/2008		During DST 3/07/2008-3/10/2008		After DST 3/14/2008-03/17/2008	
	Date and Time	kW	Date and Time	kW	Date and Time	kW
Monday	3/3/2008 19:15	186,274	3/10/2008 19:15	150,132	3/17/2008 19:15	151,254
Monday	3/3/2008 19:30	186,082	3/10/2008 19:30	151,622	3/17/2008 19:30	151,544
Monday	3/3/2008 19:45	185,859	3/10/2008 19:45	153,285	3/17/2008 19:45	151,982
Monday	3/3/2008 20:00	184,700	3/10/2008 20:00	156,209	3/17/2008 20:00	153,923
Monday	3/3/2008 20:15	183,856	3/10/2008 20:15	161,420	3/17/2008 20:15	156,954
Monday	3/3/2008 20:30	182,339	3/10/2008 20:30	166,286	3/17/2008 20:30	161,705
Monday	3/3/2008 20:45	180,418	3/10/2008 20:45	168,153	3/17/2008 20:45	167,627
Monday	3/3/2008 21:00	178,765	3/10/2008 21:00	167,821	3/17/2008 21:00	169,431
Monday	3/3/2008 21:15	176,081	3/10/2008 21:15	166,622	3/17/2008 21:15	168,452
Monday	3/3/2008 21:30	172,566	3/10/2008 21:30	165,745	3/17/2008 21:30	167,134
Monday	3/3/2008 21:45	169,300	3/10/2008 21:45	164,370	3/17/2008 21:45	164,974
Monday	3/3/2008 22:00	165,639	3/10/2008 22:00	161,404	3/17/2008 22:00	161,938
Monday	3/3/2008 22:15	161,404	3/10/2008 22:15	158,384	3/17/2008 22:15	158,647
Monday	3/3/2008 22:30	157,101	3/10/2008 22:30	155,227	3/17/2008 22:30	155,301
Monday	3/3/2008 22:45	151,388	3/10/2008 22:45	150,278	3/17/2008 22:45	150,766
Monday	3/3/2008 23:00	147,456	3/10/2008 23:00	146,443	3/17/2008 23:00	146,844
Monday	3/3/2008 23:15	143,161	3/10/2008 23:15	142,959	3/17/2008 23:15	142,772
Monday	3/3/2008 23:30	139,632	3/10/2008 23:30	139,442	3/17/2008 23:30	138,821
Monday	3/3/2008 23:45	136,663	3/10/2008 23:45	136,212	3/17/2008 23:45	135,085
Monday	3/4/2008 0:00	133,652	3/11/2008 0:00	132,449	3/18/2008 0:00	132,659
Total Energy (kWh) for Period ¹		14,633,216		13,630,115		13,849,703
Estimated Class Contributions						
Residential		7,613,241		7,091,357		7,205,602
Small Commercial		1,417,926		1,320,727		1,342,005
Large Commercial		5,529,001		5,149,990		5,232,959
Street Lighting		73,048		68,041		69,137
Total Energy (kWh)		14,633,216		13,630,115		13,849,703

Source: Chugach Electronic Meter Readings and SCADA energy accounting

¹ Conversion from kW to kWh requires dividing kW by 4

Rob Earl

From: Margaret Herron [Margaret_Herron@lksd.org]
Sent: Monday, January 26, 2009 10:02 AM
To: Rep. Bob Herron
Cc: Rob Earl; Marianna Carpeneti
Subject: Problem with Daylight Savings
Attachments: DTS vs Attnd.xls

Hi Margaret, I am having trouble sending this email to Bob. I keeps saying no such address. Will you forward it to him for me? Please? It is important state representative information. Frank.

----- Original Message -----

Dear State Representative Herron and Senator Hoffman,

I have attached a one-page quick and easy to read data sheet with a graphic to illustrate my frustration with the spring time change that we do in March.

It is pretty self explanatory.

I have asked other school administrators and know that there are many of us that are frustrated with the pointless tradition of "spring forward" every year. Several have written me saying that they are sure they would have similar results if they kept the data like I have been doing for the past few years.

Please share this attachment with the legislature and governor at an appropriate opportunity to illustrate how DST negatively impacts education in our state -- particularly in the western part of our state.

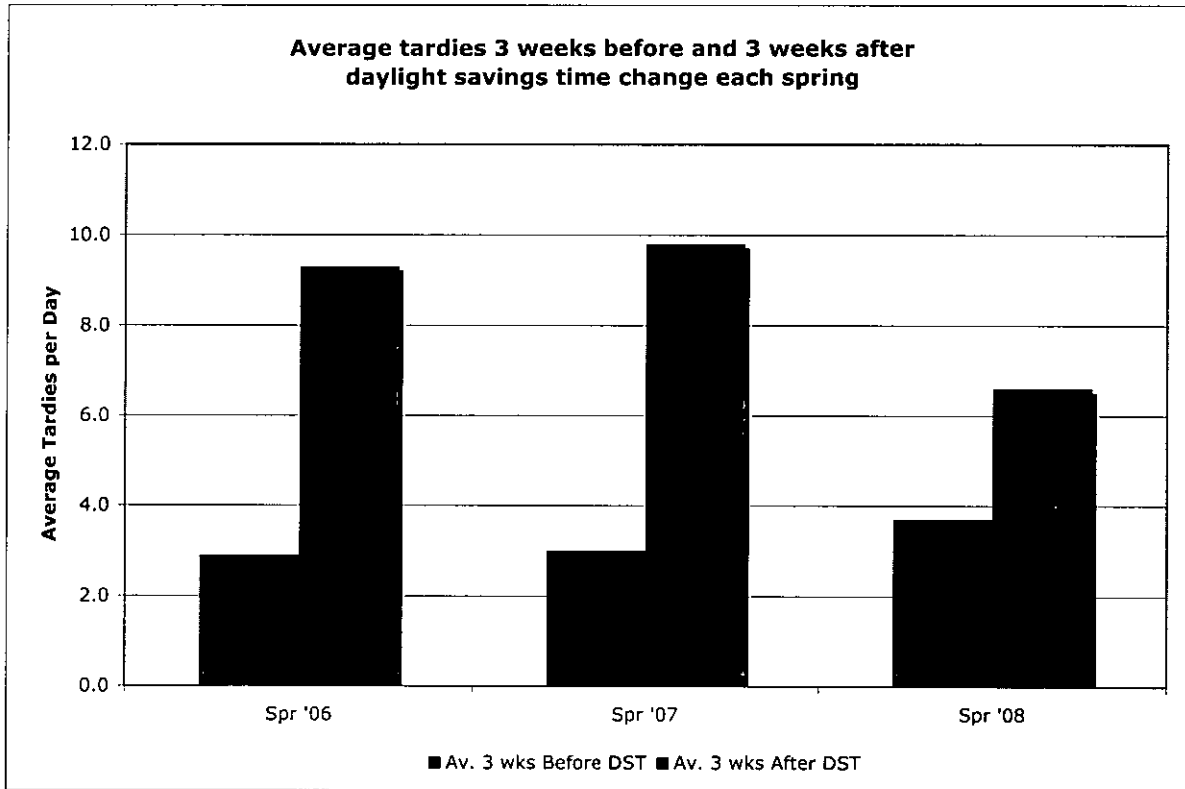
Thank you.

Frank.

Franklin A. Cook
Site Administrator
Lewis Angapak Memorial School
PO Box 8087
Tuntutuliak, AK 99680
(907)256-2415 or 2413
Fax: 907-256-2527
Email: frank_cook@lksd.org

Lewis Angapak Memorial School Over a Three Year Period

	Av. 3 wks Before DST	Av. 3 wks After DST
Spr '06	2.9	9.3
Spr '07	3.0	9.8
Spr '08	3.7	6.6



Improving student attendance has been one of my greatest challenges as a school administrator. The change to daylight savings time each spring is not a simple and meaningless inconvenience in western Alaska. It is a detriment to my efforts to improve attendance. As can be seen in the graph above; the number of students coming to school late often triples after the time change. It is frustrating to have the state seemingly working against my efforts by supporting this useless time change every spring.

Franklin A. Cook
 Site Administrator
 Lewis Angapak Memorial School
 Tuntutuliak, Alaska